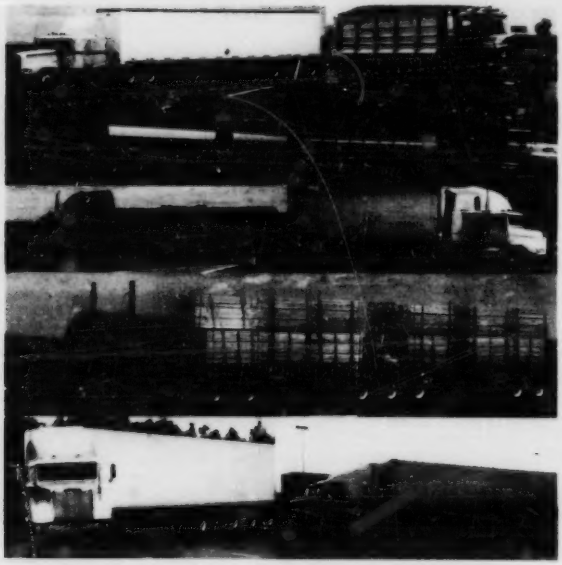
Vehicle Weight and Dimension Limits in Ontario



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1. ABOUT THIS BOOKLET

This booklet is published both in print and on-line. The on-line booklet may be found through the Ontario Ministry of Transportation web site at http://www.mto.gov.on.ca/, in Adobe Acrobat 4 .PDF file format. It can be read using the Adobe Acrobat Reader 4, copyright of Adobe Corporation, which can be obtained as a free download from http://www.adobe.com/. The on-line booklet cannot be read with earlier versions of Acrobat Reader. The on-line booklet is best printed on letter size paper using the "Fit to page" option in the Acrobat Reader's print dialogue box.

The booklet cross-references to the source or explanation of many requirements.

A cross-reference in the printed booklet appears simply as a page reference, like Chapter 2 [Page 11]. The reader turns to the page indicated, then scans that page for the exact location of the reference.

A cross-reference in the online booklet is highlighted, like Chapter 2 [Page 11]. The on-line reader can move directly to the reference by clicking on the highlighted page number with their mouse. Once at the reference, and even after paging forward or backward from it, clicking on the Acrobat Reader 4 back arrow button ⬅ returns the reader to the source of the original reference. The back arrow button allows the reader to step backwards sequentially through the previous 50 jumps forward.

Version francaise disponible.

PURPOSE

This booklet provides information on the dimension and weight limits that apply to vehicles that operate on highways in Ontario. It is intended to assist those who design, manufacture and operate commercial vehicles or other large vehicles.

BACKGROUND

The Highway Traffic Act ("HTA") and its regulations prescribe the dimension and weight limits for vehicles in Ontario.

The term "vehicle" [Page 23], for the purpose of weights and dimensions, includes a motor vehicle [Page 18], trailer [Page 21], traction engine, farrn tractor and road building machine. This booklet also uses the term "vehicle" to include a combination of these vehicles, or a combination of vehicles and devices, in any text that is not original legal text.

Part VII of the HTA sets limits on dimensions of vehicles and loads, and allows permits for vehicles or loads that exceed the HTA limits on weight and/or dimensions [Page 131].

Part VIII sets limits on the weight that can be carried by a tire, axle unit or axle group, and prescribes how the gross weight of a vehicle is calculated [Page 149].

Regulation 597 sets gross weight limits for vehicles, and prescribes weights for certain classes of vehicle [Page 169].

Regulation 32/94 prescribes the configuration, dimensions and weights for a tractor-semi-trailer with a semi-trailer over 14.65 m in length, an A-train double with an overall length over 23 m, a B- or C-train double with a box length over 18.5 m or an overall length over 23 m, and an inter-city bus over 12.5 m in length [Page 189].

Parts VII and VIII of the HTA also prescribe penalties that apply on conviction of operating a vehicle outside the weight or dimension limits [Page 211].

CONTENTS

Chapter 2 [Page 11] has all definitions of terms from the HTA and regulations related to vehicle weight and dimensions.

Chapter 3 [Page 25] describes how to determine the allowable weight for a tire, axle unit or axle group.

Chapter 4 [Page 37] describes how to determine the allowable gross weight for a vehicle.

Chapter 5 [Page 51] gives examples of calculation of axle unit, axle group and gross weight for many typical vehicles.

Chapter 6 [Page 83] describes vehicle dimensional limits.

Chapter 7 [Page 93] reproduces tables of allowable weight for an axle unit and axle group, from Part VIII of the HTA.

Chapter 8 [Page 101] reproduces tables of allowable gross weight for a vehicle, from Regulation 597.

Chapter 9 [Page 131] reproduces Part VII of the HTA, on load and dimensions.

Chapter 10 [Page 149] reproduces Part VIII of the HTA, on weight.

Chapter 11 [Page 169] reproduces Regulation 597, Vehicle and Axle Weights.

Chapter 12 [Page 189] reproduces Regulation 32/94, Vehicle Configurations.

Chapter 13 [Page 211] describes the penalties prescribed in the HTA for exceeding any weight or dimension limit.

UNITS

Ontario regulates vehicle weights in kilograms (kg), and dimensions in metres (m). The following equivalent Imperial measurements are provided for convenience:

1 kg = 2.2046 lb	1 lb = 0.4536 kg
1 in = 0.0254 m = 25.4 mm	1 m = 39.37 in
1 ft = 0.3048 m = 304.8 mm	1 m = 3.2808 ft

REFERENCE

This booklet has been prepared for the convenience of those needing ready access to Ontario's vehicle weight and dimension limits. However, the Highway Traffic Act and regulations on which these limits are based may be subject to change.

The current version of the HTA and its regulations should always be consulted for accurate reference. The booklet also contains some interpretation and guidance. This may not apply in all cases. If there is any doubt, the reader should seek guidance specific to the vehicle concerned.

Ontario legislation and regulations can be accessed on-line at http://www.e-laws.gov.on.ca/.

The content and status of legislation being considered by Ontario's Legislative Assembly can be reviewed on-line at http://www.ontla.on.ca/.

The text of a new regulation or an amendment to an existing regulation is published in the Ontario Gazette, which is available on-line at http://www.ontariogazette.gov.on.ca/.

Paper copies of the Highway Traffic Act, regulations, and other materials may be purchased from:

Publications Ontario Bookstore
880 Bay Street
Toronto
Ontario Canada M7A 1N3

Phone	(416)-326-5300
Fax	(416)-326-5317
TTY	(416)-325-3408
Toll-free phone	(800)-668-9938.
Toll free TTY	(800)-268-7095

http://publications.gov.on.ca/

FOR FURTHER ASSISTANCE

Contact your closest Ministry of Transportation Enforcement Office for more information.

Questions about Overweight/Overdimensional Permits and Special Vehicle Configuration Permits (including transitional permits under the Ontario-Quebec Harmonization Agreement), should be addressed by telephone to:

- (905) 704-2500; or
- (800)-387-7736 X42500 (from Ontario and Quebec only),

Visit the Ontario Ministry of Transportation web site at http://www.mto.gov.on.ca/ for general information on a variety of related topics.

2. DEFINITIONS

Definitions Used in the Highway Traffic Act and Regulations

The Highway Traffic Act and its regulations depend on the precise legal definition of certain terms. This Chapter collects all the definitions relevant to vehicle weights and dimensions in the HTA and its regulations, and identifies where each definition is made.

A definition made:

- In Section 1 of the HTA applies to all sections of the HTA, and all regulations made under the HTA;
- In a Part of the HTA applies only within that Part, and to regulations made under that Part; and
- In a regulation applies only within that Regulation.

Additional explanation or interpretation is provided for some definitions in notes appended to the definition.

[Such notes start on a new line, in italic text, enclosed in square brackets. They are not part of the legal text.]

Some terms defined in the HTA are commonly used with different, or broader, meaning than the definition used in the HTA and its regulations. The legal definition takes precedence over common usage for evaluation of vehicles against the weight and dimension law and regulations, and in any legal proceedings that may ensue.

"Aggregate vehicle" means a vehicle or combination of vehicles that is designed for dumping or spreading of sand, gravel, crushed or uncut rock, asphalt, slag, rubble, or any mixture thereof and that is transporting a load consisting mostly of any of these materials. *[Reg. 597]*

"Axle" means an assembly of two or more wheels whose centres are in one transverse vertical plane and which are transmitting weight to the highway. *[HTA Part VIII]*

[An axle that is lifted so its tires no longer touch the highway is not considered an axle for the purposes of determining axle groups or calculating allowable gross weight, and is ignored in calculating inter- or intra-vehicle-unit distance and inter-axle spacing.]

"Axle group weight" means that part of the gross vehicle weight in kilograms transmitted to the highway by a two axle group, three axle group or four axle group. *[HTA Part VIII]*

"Axle spread" means the longitudinal distance between the centres of the foremost and rearmost axles of an axle unit. *[Reg. 597 and Reg. 32/94]*

[This is the same as "axle spacing", as described in HTA s114(6), (7) and (8), [Page 154].]

"Axle unit" means any single axle, dual axle or triple axle. *[HTA Part VIII]*

"Axle unit weight" means that part of the gross vehicle weight in kilograms transmitted to the highway by an axle unit. *[HTA Part VIII]*

"Base length" means the distance measured between the centres of the first axle of the front axle of a vehicle or combination of vehicles and the last axle of a vehicle or combination of vehicles. *[Reg. 597]*

"Bed length" means the external measurement of a trailer from the front of its cargo carrying space to the rear of its cargo carrying space, but excluding any portion of auxiliary equipment or machinery that extends beyond the front of the trailer and that is not designed for the transportation of goods. *[Reg. 32/94]*

"Box length", in a combination of vehicles having more than one trailer, means the external measurement from the front of the foremost trailer to the rear of the rearmost trailer, including load, but excluding any portion of auxiliary equipment or machinery that extends beyond the front of the foremost trailer and that is not designed or used for the transportation of goods. *[HTA Part VII]*

"Bus" means a motor vehicle designed for carrying ten or more passengers and used for the transportation of persons. *[HTA s1]*

"Carbon dioxide tank semi-trailer" means a triaxle tank semi-trailer that is in carbon dioxide service and that,

(a) was built to Transport Canada specification TC331 or United States Department of Transportation specification MC331, and

(b) bears the appropriate specification number on the compliance label or manufacturer's identification plate affixed to the vehicle. *[Reg. 597]*

"Class A Highway" means a highway designated as such by the Minister. *[HTA Part VIII]*

[The Minister has designated Class A highways as:

- *The King's Highway;*
- *Every highway within a city, town or incorporated village, except those on which heavy traffic is prohibited by municipal by-law; and*
- *Every hard-surfaced county and township highway, except those designated by by-law of a county or township.]*

"Class B Highway" means a highway not designated by the Minister as a Class A Highway. *[HTA Part VIII]*

"Commercial motor vehicle" means a motor vehicle having permanently attached thereto a truck or delivery body and includes ambulances, hearses, casket wagons, fire apparatus, buses and tractors used for hauling purposes on the highways. *[HTA s1]*

"Conversion unit" means a mechanical device consisting of a single axle designed to convert a two-axle vehicle into a three-axle vehicle. *[HTA s1]*

"Cryogenic tank semi-trailer" means a tank semi-trailer that was built to Canadian Gas Association specification CGA341 or Transport Canada specification TC341 and bears the appropriate specification number on the compliance label or manufacturer's identification plate affixed to the vehicle. *[Reg. 597]*

"Dual axle" means any two consecutive axles whose centres are more than one metre apart and that,

(a) are articulated from a common attachment to the vehicle, or

(b) are designed to automatically equalize the load between the two axles. *[HTA Part VIII]*

[Two axles spaced up to one metre apart are grouped together and considered a single axle for the purpose of establishing the allowable axle unit weight. There is no maximum limit on the spacing of the axles in a dual axle. A dual axle may also be a tandem axle [Page 21].]

"Effective overhang" means the longitudinal distance from the centre of the tandem axle, in the case of a self-steer triaxle semi-trailer, or from the centre of the tridem axle in the case of a self-steer quad semi-trailer, to its rearmost point, including any load. *[Reg. 597]*

[This definition is used by Regulation 597 for the vehicle configurations it covers.]

"Effective overhang" means the longitudinal distance from the turn centre of the trailer to its rearmost point, including any load. *[Reg. 32/94]*

[This definition is used by Regulation 32/94 for the vehicle configurations it covers.]

"End dump semi-trailer" means a semi-trailer to which is permanently attached a body or box that is hinged and can be raised to dump from the rear of the semi-trailer. *[Reg. 597]*

"Farm tractor" means a self-propelled vehicle designed and used primarily as a farm implement for drawing ploughs, mowing-machines and other implements of husbandry and not designed or used for carrying a load. *[HTA s1]*

"Fifth wheel assembly" means a plate-type coupling device comprised of a kingpin, locking jaws and plates whose lower half is mounted on the rear portion of a vehicle frame or the frame of a trailer converter dolly and whose upper half is fastened to the underside of the forward portion of a semi-trailer for the purpose of supporting and towing the semi-trailer. *[Reg. 32/94]*

"Four axle group" means four consecutive axles, not including the front axle of a motor vehicle,

(a) that are entirely within either a motor vehicle or trailer or semi-trailer, and

(b) in which the spacings between the consecutive axles do not exceed 2.5 metres. *[HTA Part VIII]*

"Front axle" means the front axle unit of a motor vehicle. *[HTA Part VIII]*

"Front axle weight" for,

(a) an aggregate vehicle means,

(i) for a single front axle, the maximum weight permitted under Section 116 [Page 154] of the Act for a single axle,

(ii) for a dual front axle, one-half the maximum weight permitted under Section 116 of the Act for a dual axle, and

(iii) for a triple front axle, one-third the maximum weight permitted under Section 116 of the Act for a triple axle, and

(b) a vehicle or combination of vehicles that is not an aggregate vehicle means,

(i) for a single front axle, the axle unit weight on the front axle, or, if that weight is more than the maximum

weight permitted for a single axle under Section 116 [Page 154] of the Act, the maximum weight permitted for a single axle under Section 116 of the Act,

(ii) for a dual front axle, one-half of the axle unit weight on the dual front axle, or, if that weight is more than one-half of the maximum weight permitted for a dual axle under Section 116 of the Act, one-half of the maximum weight permitted for a dual axle under Section 116 of the Act,

(iii) for a triple front axle, one-third of the axle unit weight for the triple front axle, or, if that weight is more than one-third of the maximum weight permitted for a triple axle under Section 116 of the Act, one-third of the maximum weight permitted for a triple axle under Section 116 of the Act. *[Reg. 597]*

"Full trailer" means a trailer designed so that its own weight and any load are carried on its own axles and includes a combination consisting of a semi-trailer and a trailer converter dolly. *[Reg. 32/94]*

"Gross weight" means the combined weight of vehicle and load. *[HTA s1]*

"Gross vehicle weight" means the total weight in kilograms transmitted to the highway by a vehicle, or combination of vehicles, and load. *[HTA Part VIII]*

"Highway" includes a common and public highway, street, avenue, parkway, driveway, square, place, bridge, viaduct or trestle, any part of which is intended for or used by the general public for the passage of vehicles and includes the area between the lateral property lines thereof. *[HTA s1]*

"Inter-axle spacing" means the longitudinal distance separating two consecutive axle units within a vehicle or combination of vehicles, measured from the centre of the rearmost axle of the foremost axle unit to the centre of the foremost axle of the other axle unit. *[Reg. 597 and Reg. 32/94]*

"Inter-vehicle-unit distance", for a combination of vehicles, means the lesser of,

(a) the distance between the centres of the last axle of the motor vehicle or road building machine and the first axle of the towed vehicle, and

(b) the distance between the centres of the last axle of the first towed vehicle and the first axle of the second towed vehicle. *[Reg. 597]*

"Intra-vehicle-unit distance", for a five or six axle vehicle without a towed vehicle, means the greater of,

(a) the distance between the centres of the second and third axles from the front of the vehicle, and

(b) the distance between the centres of the third and fourth axles from the front of the vehicle. *[Reg. 597]*

"Liftable axle" means an assembly of two or more wheels whose centres are in one transverse vertical plane that is equipped with a device for altering (other than by longitudinal movement of the assembly only) the weight transmitted to the highway surface and that may be able to lift its tires from contact with that surface. *[HTA Part VIII and Reg. 32/94]*

"Minister" means the Minister of Transportation. *[HTA s1]*

"Ministry" means the Ministry of Transportation. *[HTA s1]*

"Motor vehicle" includes an automobile, motorcycle, motor assisted bicycle unless otherwise indicated in this Act, and any other vehicle propelled or driven otherwise than by muscular power, but does not include a street car, or other motor vehicles running only upon rails, or a motorized snow vehicle, traction engine, farm tractor, self-propelled implement of husbandry or road-building machine within the meaning of this Act. *[HTA s1]*

"Number of axles" means the total number of axles on a vehicle or combination of vehicles that are transmitting weight to the highway. *[Reg. 597]*

[Any liftable axle that is raised is not counted in the number of axles used to determine the allowable gross weight].

"Operator" means the person directly or indirectly responsible for the operation of a commercial motor vehicle including the conduct of the driver of, and the carriage of goods or passengers, if any, in, the vehicle or combination of vehicles. *[HTA Part II]*

"Over-dimensional farm vehicle" means a farm tractor, self-propelled implement of husbandry, implement of husbandry, or any combination of them, having a weight, width, length or height in excess of the limits provided in this Part or Part VIII. *[HTA Part VII and Part VIII]*

"Registered gross weight" means the weight for which a permit has been issued under the Act, the fee for which is based on the weight of the vehicle or combination of vehicles and load. *[Reg. 340/94 and Reg. 577]*

"Registrar" means the Registrar of Motor Vehicles appointed under this Act. *[HTA s1]*

"Regulations" means the regulations made under this Act. *[HTA s1]*

"Road-building machine" means a self-propelled vehicle of a design commonly used in the construction or maintenance of highways, including but not limited to,

(a) asphalt spreaders, concrete paving or finishing machines, motor graders, rollers, tractor-dozers and motor scrapers,

(b) tracked and wheeled tractors of all kinds while equipped with mowers, post-hole diggers, compactors, weed spraying equipment, snow blowers and snow plows, front-end loaders, back-hoes or rock drills, and

(c) power shovels on tracks and drag lines on tracks,

but not including a commercial motor vehicle. *[HTA s1]*

"Self-propelled implement of husbandry" means a self-propelled vehicle manufactured, designed, redesigned, converted or reconstructed for a specific use in farming. *[HTA s1]*

"Self-steering axle" means an assembly of two or more wheels whose centres are in one transverse vertical plane and whose wheels can articulate in response to forces generated between the tires and the road or through mechanisms and linkages that operate independently of the driver. *[Reg. 597 and Reg. 32/94]*

"Semi-trailer" means a trailer designed so that its forward part rests on or is carried by another vehicle or trailer converter dolly to which it is coupled by means of a fifth wheel assembly. *[HTA Part VII and Part VIII]*

"Single axle" means one or more axles whose centres are included between two parallel transverse vertical planes one metre apart. *[HTA Part VIII]*

[This definition applies only for the purpose of determining the allowable weight.]

"Single semi-trailer" means a semi-trailer that is the only trailer in a tractor-trailer combination. *[Reg. 597]*

"Swing radius" means the greatest horizontal distance from the vertical axis through the centre of the kingpin to any point on the semi-trailer ahead of the kingpin, including load and any extension to the length caused by auxiliary equipment or machinery. *[Reg. 32/94]*

"Tag-axle tank semi-trailer" means a tank semi-trailer

(a) that is not more than 14.65 metres in length,

(b) that is equipped with a rear single axle and a front tandem axle, whose interaxle spacing is more than 2.5 metres,

(c) whose single axle,

  (i) is a self-steering axle capable of turning 20 degrees in either direction, and

  (ii) is not a liftable axle, and

(d) whose axles automatically load equalize. *[Reg. 597]*

"Tandem axle" means a "dual axle" as defined in Part VIII that does not include a liftable axle or a self-steering axle and that has the same number of tires on each wheel. *[Reg. 597 and Reg. 32/94]*

[A tandem axle is included within the definition of a dual axle [Page 15].]

"Tank semi-trailer" means a triaxle semi-trailer that is permanently attached to a closed tank having a capacity of 2.3 kiloliters or more. *[Reg. 597]*

"Tank-truck" means a commercial motor vehicle to which there is attached or upon which there has been placed either permanently or otherwise a closed tank having a capacity of 2.3 kilolitres or more. *[HTA Part VIII]*

"Three axle group" means three consecutive axles, not including the front axle of a motor vehicle,

(a) that do not form a triple axle within the meaning of the definition of "triple axle",

(b) that are entirely within either a motor vehicle or trailer or semi-trailer,

(c) in which the spacings between the consecutive axles do not exceed 2.5 metres, and

(d) which are not included in a four axle group within the meaning of the definition of "four axle group". *[HTA Part VIII]*

"Track width" means the width of an axle across the outside faces of the tires measured at any point above the lowest point of the rim. *[Reg. 32/94]*

"Tractor" means a commercial motor vehicle designed to draw one or more semi-trailers to which it is coupled by means of a fifth wheel assembly. *[Reg. 597]*

"Trailer" means a vehicle that is at any time drawn upon a highway by a motor vehicle, except an implement of husbandry, a mobile home, another motor vehicle or any device or apparatus not designed to transport persons or property, temporarily drawn, propelled or moved upon such

highway, and except a side car attached to a motorcycle, and shall be considered a separate vehicle and not part of the motor vehicle by which it is drawn. *[HTA s1]*

"Trailer converter dolly" means a device consisting of one or more axles, a fifth wheel lower-half and a tow bar. *[HTA s1]*

"Triaxle semi-trailer" means any three-axle single semi-trailer that does not have a tridem axle. *[Reg. 597]*

"Tridem axle" means a "triple axle" as defined in Part VIII that does not include a liftable axle or a self-steering axle and that has the same number of tires on each wheel. *[Reg. 597 and Reg. 32/94]*

[A tridem axle is included within the definition of a triple axle.]

"Triple axle" means any three consecutive axles that,

(a) have their consecutive centres equally spaced, and

(b) have their consecutive centres more than one metre apart,

and that,

(c) are articulated from an attachment to the vehicle common to the consecutive axles, or

(d) are designed to automatically equalize the load between the three axles under all conditions of loading. *[HTA Part VIII]*

[A triple axle may also be a tridem axle.]

"Turn centre" means the geometric centre of the axle unit on a semi-trailer or of the rear axle unit on a tractor or a full trailer. *[Reg. 32/94]*

"Two axle group" means two consecutive single axles, not including the front axle of a motor vehicle,

(a) that are entirely within either a motor vehicle or trailer or semi-trailer,

(b) in which the spacing between the consecutive axles is less than two metres, and

(c) which are not included in a three axle group within the meaning of the definition of "three axle group" or a four axle group within the meaning of the definition of "four axle group". *[HTA Part VIII]*

"Vehicle" includes a motor vehicle, trailer, traction engine, farm tractor, road-building machine, bicycle and any vehicle drawn, propelled or driven by any kind of power, including muscular power, but does not include a motorized snow vehicle or a street car. *[HTA s1]*

"Wheelbase" means the longitudinal distance,

(a) from the centre of the kingpin to the turn centre in the case of a semi-trailer,

(b) from the centre of the front axle to the turn centre in the case of a tractor,

(c) from the centre of articulation of the turntable to the turn centre in the case of a full trailer. *[Reg. 32/94]*

[This definition is used by Regulation 32/94 for the vehicle configurations it covers.]

"Wheelbase" means the longitudinal distance from the centre of the kingpin to the centre of the tandem or tridem axle of the semi-trailer, as the case may be. *[Reg. 597]*

[This definition is used by Regulation 597 for the vehicle configurations it covers.]

3. WEIGHT LIMITS ON TIRES AND AXLES

How to Calculate the Allowable Weight on a Tire, Axle Unit or Axle Group

This Chapter describes how to determine the allowable weight for a tire, axle unit or axle group.

It describes the general rule for determining each allowable weight, and any exceptions to that rule, as follows:

1. Allowable Weight on a Tire [Page 27]
2. Allowable Weight on an Axle Unit [Page 28]
    - Single Axle [Page 29]
    - Dual Axle [Page 30]
    - Triple Axle [Page 31]
3. Allowable Weight on an Axle Group [Page 33]
    - Two Axle Group [Page 34]
    - Three Axle Group [Page 35]
    - Four Axle Group [Page 36]

ALLOWABLE WEIGHT ON A TIRE

General Rule

For a tire less than 150 mm in width, the allowable weight is 9 kilograms for each millimetre of tire width.

For a tire 150 mm or more in width, the allowable weight is 11 kilograms/millimetre of tire width.

The tire width is that value stamped on the tire side wall by the tire manufacturer, HTA s115 [Page 154].

Regardless of these allowable weights, a tire should not be loaded beyond the weight established by its manufacturer for the pressure at which it will be operated.

Exceptions

- The allowable weight on a tire is reduced to 5 kilograms/millimetre when the vehicle operates on a highway designated for reduced load during the reduced load period, HTA s122(3) [Page 160].
- A single tire fitted to the self-steering axle of a self-steer quad semi-trailer is exempt from the general rule, Reg. 597 s7 [Page 185].

Examples:

1. 11R22.5 Tire (Imperial size)

Tire width is 11 inches = 11 x 25.4 mm = 279.4 mm.

Allowable weight = 279.4 mm x 11 kg/mm = 3,073.4 kg.

2. 425/65R22.5 Tire (Metric size)

Tire width is 425 mm.

Allowable weight = 425 mm x 11 kg/mm = 4,675 kg.

ALLOWABLE WEIGHT ON AN AXLE UNIT

There are three types of axle unit, illustrated in Figure 1:

- Single Axle [Page 29];
- Dual Axle [Page 30]; and
- Triple Axle [Page 31].

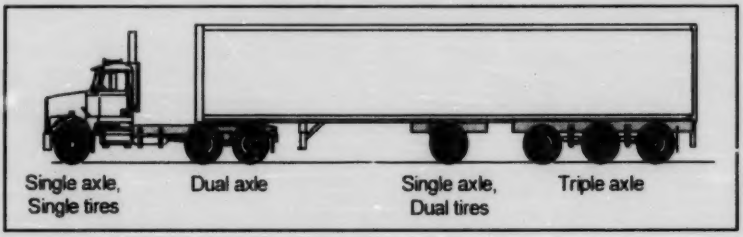
Any axle in an axle unit may be fitted either with single tires or dual tires, or may be a self-steering axle [Page 20] or a liftable axle [Page 18], unless prevented by regulation.

Dual and triple axle units must distribute the weight carried by the axle unit equally to the axles of the axle unit.

The allowable weight on an axle unit is that weight set by the HTA s116 [Page 154], or the sum of the allowable weights on the tires of the axle unit, whichever is least.

Regardless of the allowable weight, an axle unit should not be loaded beyond the rating established by its manufacturer.

Figure 1: Axle Units

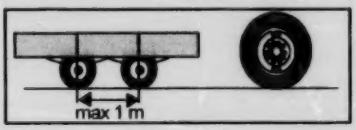


Allowable Weight on a Single Axle

Description

All axles within a spacing of one metre are combined to form a single axle [Page 20] for the purpose of determining allowable weight. For two axles spaced 0.9 m apart, the allowable weight is that for a single axle, as shown in Figure 2.

Figure 2: Single Axles



General Rule

The maximum allowable weight for a single axle with dual tires is 10,000 kg, HTA s116(1)(b) [Page 155]. Tires must be at least 228 mm wide to achieve this weight, based on the allowable tire load of 11 kg/mm of tire width [Page 27].

The maximum allowable weight for a single axle with single tires is 9,000 kg, HTA s116(1)(a) [Page 155]. Tires must be at least 410 mm wide to achieve this weight, based on the allowable tire load of 11 kg/mm of tire width [Page 27].

Front Axle

The maximum allowable weight for a single axle that is the front axle [Page 16] of a motor vehicle must not exceed the manufacturer's gross axle weight rating for the front axle, HTA s116(6) [Page 156].

The maximum allowable front axle weight is restricted to 5,000 kg if the driver of the vehicle cannot produce verification of a higher gross axle weight rating, HTA s116(4) [Page 155].

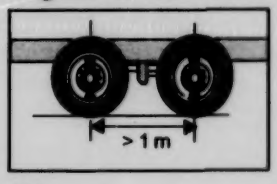
Gross axle weight ratings are imprinted on a plate attached to the vehicle by its original manufacturer, often to the door jamb on the driver's side.

Allowable Weight on a Dual Axle

Description

A dual axle [Page 15] consists of two consecutive axles spaced more than one metre apart that are designed to distribute the weight applied equally to the two axles, as shown in Figure 3. Two axles spaced up to one metre apart are considered a single axle for weight purposes [Page 29].

Figure 3: Dual Axle



A dual axle is often called a tandem axle. Regulations 597 and 32/94 define a tandem axle as a dual axle where neither axle is liftable or self-steering, and each axle has the same number of tires [Page 21]. Most dual axles meet this restricted definition. Axle spread for a tandem axle means the same as axle spacing for a dual axle.

General Rule

The allowable weight for a dual axle, given in Axle Weight Table 1 [Page 95], depends on the spacing between the axles. There is no upper limit on the axle spacing for a dual axle.

The allowable weight for a dual axle with single tires must not exceed 18,000 kg, HTA s116(2) [Page 155]. Tires must be at least 410 mm wide to achieve this weight, based on the allowable tire load of 11 kg/mm of tire width [Page 27].

Exceptions

A dual axle with an axle spread of 1.2 to less than 1.6 metres that is also a tandem axle is allowed 18,000 kg when fitted to certain vehicles, Reg. 597 s9 [Page 186]. These are a:

1. Three axle tractor [Page 21] with a front single axle;
2. Single semi-trailer [Page 20] with no other axles deployed; or
3. Self-steer triaxle semi-trailer, Reg. 597 s4(3) [Page 180].

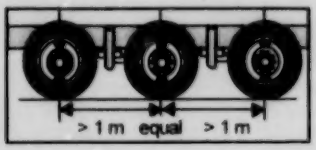
These are summarized in Figure 5.

Allowable Weight on a Triple Axle

Description

A triple axle [Page 22] has three consecutive axles equally spaced, more than one metre apart, that are designed to distribute the weight carried by the triple axle equally between the three axles, as shown in Figure 4.

Figure 4: Triple Axle



A triple axle is often called a tridem axle. Regulations 597 and 32/94 define a tridem axle as a triple axle where none of the axles is liftable or self-steering, and each axle has the same number of tires [Page 22]. Most triple axles meet this tighter definition. Axle spread for a tridem axle means the same as axle spacing for a triple axle.

General Rule

The allowable weight for a triple axle given in Axle Weight Table 2 [Page 96] depends on the distance between the first and last axle in the triple axle.

The allowable weight for a triple axle with single tires must not exceed 27,000 kg, HTA s116(3) [Page 155]. Tires must be at least 410 mm wide to achieve this weight, based on the allowable tire load of 11 kg/mm of tire width [Page 27].

Exceptions

A triple axle that is also a tridem axle [Page 22] is allowed higher weight than given in Axle Weight Table 2:

1. For a self-steer quad semi-trailer as defined in Reg. 597 s5 [Page 181], Reg. 597 s11(3) [Page 188] gives an allowable weight of:
   - 24,000 kg for a spread of 3.0 to less than 3.6 m; or
   - 25,500 kg for a spread of 3.6 to 3.7 m.

2. For a single semi-trailer [Page 20] with no other axles deployed:
   - Up to December 31, 2005, the allowable weight for a tridem axle spread from 3.6 to 3.7 m is 25,500 kg, Reg. 597 s11(2) [Page 187].
   - Effective January 1, 2006, the allowable weight for a tridem axle by Reg. 597 s11(3) [Page 188] is:
     - 24,000 kg for a spread of 3.0 to less than 3.6 m; or
     - 26,000 kg for a spread of 3.6 to 3.7 m.
3. These are summarized in Figure 5 below.

Figure 5: Tandem and Tridem Axle Weight Changes

Vehicle Configuration	Prior maximum weight	Effective January 1, 2001	Effective January 1, 2006
3 axle tractor, or single semi-trailer operating on tandem only, with spread 1.2 to < 1.6m	17,000 to 17,900 kg	18,000 kg	→
Single semi-trailer operating on tridem only, with spread 3.0 to <3.6m	23,000 to 24,100 kg		24,000 kg
Single semi-trailer operating on tridem only, with spread 3.6 to 3.7m	24,400 kg	25,500 kg	26,000 kg
Self-steer triaxle semi-trailer axles, triaxle weight for tandem spread of:			
1.2 to <1.6m		27,000 kg	
1.6 to <1.7m		27,450 kg	→
1.7 to <1.8m		28,050 kg	
1.8m or more		28,650 kg	
Self-steer quad semi-trailer axles, quad weight for tridem spread of:			
3.0 to less than 3.6m		32,000 kg	→
3.6 to 3.7m		34,000 kg	

ALLOWABLE WEIGHT ON AN AXLE GROUP

There are three types of axle group:

- Two Axle Group [Page 34];
- Three Axle Group [Page 35]; and
- Four Axle Group [Page 36].

An axle group is formed when two or more axle units are so close together that their combined allowable weight must be restricted to less than the sum of the allowable weight on each axle unit that makes up the axle group.

The allowable weight on an axle group is set by the HTA s117 [Page 156].

An axle unit within an axle group has the same allowable weight as if it were not part of the axle group.

However, the combined weight on all axle units of an axle group must not exceed the allowable weight for the axle group.

If one axle unit is loaded to its allowable weight, other axle units in the axle group must be loaded sufficiently below their allowable weights so that the allowable weight of the axle group is not exceeded.

Allowable Weight on a Two Axle Group

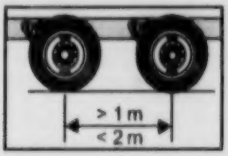
Description

A two axle group [Page 22] consists of two consecutive single axles on a vehicle that are more than 1 metre but less than 2 metres apart, are not included in a three axle group or a four axle group, and do not include the front axle of a motor vehicle, as shown in Figure 6.

When two single axles are 2 metres or more apart, each axle is considered a single axle for weight purposes.

Unlike a dual axle, a two axle group is not required to distribute the weight it carries equally between the two axles.

Figure 6: Two Axle Group



General Rule

The allowable weight for a two axle group depends on the spacing between the axles, and is specified in Axle Weight Table 3 [Page 98].

Allowable Weight on a Three Axle Group

Description

A three axle group [Page 21] consists of three consecutive axles on a vehicle each not more than 2.5 metres from another axle, that do not form a triple axle, are not included in a four axle group, and do not include the front axle of a motor vehicle.

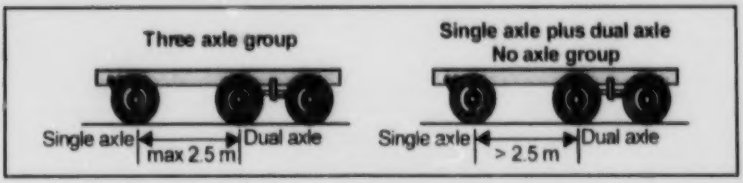
A three axle group may consist of:

- Three single axles; or
- A single axle and a dual axle.

When a single axle is not more than 2.5 metres from a dual axle, as shown in the left portion of Figure 7, the three axles form a three axle group. When a single axle is more than 2.5 metres from a dual axle, as shown in the right portion of Figure 7, it is considered a single axle, and the three axles do not form a three axle group.

Unlike a triple axle, the axles of a three axle group are not required to be equally spaced, and a three axle group is not required to distribute the weight it carries equally between the three axles.

Figure 7: Three axle Group



General Rule

The allowable weight for a three axle group depends on the spacing between the first and last axle of the group, and is specified in Axle Weight Table 4 [Page 99].

Allowable Weight on a Four Axle Group

Description

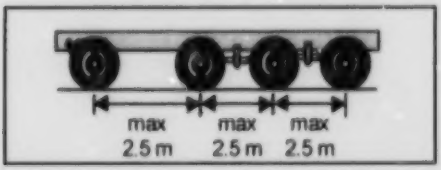
A four axle group [Page 16] consists of four consecutive axles entirely within a vehicle that are spaced not more than 2.5 metres apart and do not include the front axle of a motor vehicle, as shown in Figure 8.

A four axle group may consist of:

- Four single axles;
- Two single axles and a dual axle;
- A single axle and a triple axle; or
- Two dual axles.

The axles of a four axle group are not required to be equally spaced, and a four axle group is not required to distribute the weight it carries equally between the four axles.

Figure 8: Four Axle Group



General Rule

The allowable weight for a four axle group depends on the spacing between the first and last axle of the group, and is specified in Axle Weight Table 5 [Page 100].

4. GROSS VEHICLE WEIGHT

Calculating the Allowable Gross Weight for a Vehicle

This Chapter describes how to calculate the allowable gross weight for a vehicle, which is the maximum weight for a vehicle combined with the weight of its load.

The allowable gross weight depends on the front axle weight used as the basis for the calculation. For a vehicle with more than two axles, it also depends on the number of axles and certain measurements.

The procedure for determining the maximum allowable gross weight on a vehicle as given in the HTA s118 [Page 157] and Reg. 597 [Page 169] is as follows:

Step 1: Determine allowable front axle weight [Page 39].

Step 2: Determine axle spacings [Page 40].

Step 3: Determine axle units [Page 40].

Step 4: Determine any axle groups [Page 40].

Step 5: Calculation 1 [Page 40].

Step 6: Calculation 2 [Page 40].

Step 7: Calculation 3 [Page 41].

Step 8: Take the least of Calculations 1, 2 and 3 [Page 47].

Step 9: Make adjustments [Page 47].

Step 10: Check registered gross weight [Page 43].

STEP 1: DETERMINE ALLOWABLE FRONT AXLE WEIGHT

General Rule

The allowable front axle weight is the actual weight on the front axle, or the maximum allowable weight on the front axle as given in the HTA s116 [Page 154], whichever is least, HTA s118 [Page 157]. This applies if the front axle is a single axle [Page 29], dual axle or triple axle.

Exceptions

The allowable front axle weight:

1. For a tractor with a semi-trailer longer than 14.65 m, is the actual weight on the front axle, or the maximum allowable front axle weight, or 6,000 kg, whichever is least, Reg. 32/94 s9 [Page 196].

2. For an A-train double whose overall length exceeds 23 m, is the actual weight on the front axle, or the maximum allowable front axle weight, or 5,499 kg, whichever is least, Reg. 32/94 s14(3) [Page 198].

3. For a B-train double whose box length exceeds 18.5 m or whose overall length exceeds 23 m, is the actual weight on the front axle, or the maximum allowable front axle weight, or 6,000 kg, whichever is least, Reg. 32/94 s19(1) [Page 201].

4. For a C-train double whose box length exceeds 18.5 m or whose overall length exceeds 23 m, is the actual weight on the front axle, or the maximum allowable front axle weight, or 5,499 kg, whichever is least, Reg. 32/94 s25(4) [Page 204].

5. For an aggregate vehicle [Page 13] that is powered by a tractor [Page 21], is the maximum allowable front axle weight, or 6,500 kg, whichever is least, Reg. 597 s3(3) [Page 178].

6. For any other aggregate vehicle, is the maximum allowable front axle weight, Reg. 597 s3(2) [Page 178].

STEP 2: DETERMINE AXLE SPACINGS

The distance from the centre line of one axle to the centre line of the next axle is required, starting with the first axle on the motor vehicle, and ending with the last axle on the vehicle.

Any axle whose tires do not touch the surface of the highway is ignored when an axle spacing measurement is made.

STEP 3: DETERMINE AXLE UNITS

Axle units are determined from the spacing of axles on the vehicle, their attachment to the vehicle, and their ability to equalize the load applied [Page 28].

STEP 4: DETERMINE ANY AXLE GROUPS

Axle groups are determined by the spacing between axle units on the vehicle [Page 33].

STEP 5: CALCULATION 1

Calculation 1 must always be made.

The allowable gross weight is:

- The allowable front axle weight [Page 39], plus
- The maximum allowable weight for each axle unit, other than the front axle [Page 28].

STEP 6: CALCULATION 2

Calculation 2 is only required if the vehicle has any axle groups. It always produces a lower result than Calculation 1.

The allowable gross weight is:

- The allowable front axle weight [Page 39], plus
- The maximum allowable weight for each axle group [Page 33], plus
- The maximum allowable weight for each axle unit that is not part of an axle group or the front axle [Page 28].

STEP 7: CALCULATION 3

Calculation 3 is made using one of 29 tables [Page 101] of allowable gross weight in Regulation 597 [Page 169].

Calculation 3 is not required for a vehicle with two axles.

The procedure is as follows:

Step 7a. Count the number of axles [Page 41].

Step 7b. Determine the inter- or intra-vehicle-unit distance [Page 42].

Step 7c. Determine the base length [Page 44].

Step 7d. Determine front axle weight to be used [Page 44].

Step 7e. Determine the gross weight table [Page 45].

Step 7f. Determine the allowable gross weight [Page 46].

Step 7a: Count Number of Axles

General Rule

The count of the number of axles includes only those axles that actually touch the highway.

Any liftable axle on the vehicle whose tires are not in contact with the highway must not be counted.

Exception

If the rear trailer of a combination of vehicles weighs less than 5% of the gross weight of the combination of vehicles, the axles on the rear trailer are not counted in the number of axles, Reg. 597 s2(4) [Page 177].

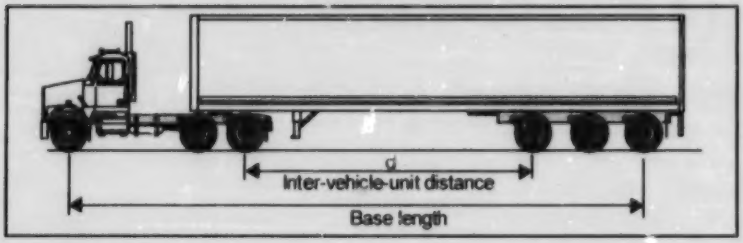
Step 7b: Determine Inter- or Intra-Vehicle-Unit Distance

Description

Inter-Vehicle-Unit Distance

The inter-vehicle-unit distance [Page 18] applies to a combination of vehicles. For a motor vehicle [Page 18] towing one trailer, it is the distance between the centre of the last axle of the motor vehicle and the centre of the first axle of the trailer, shown in Figure 9 as distance **d**.

Figure 9: Inter-Vehicle-Unit Distance

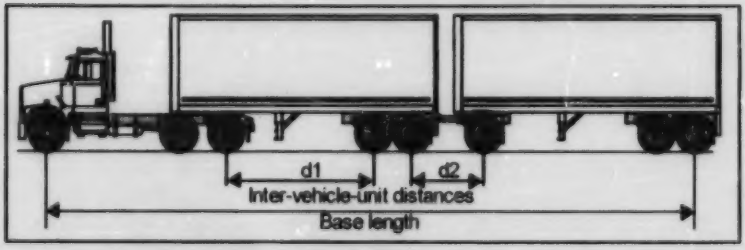


For a motor vehicle towing two trailers, the inter-vehicle-unit distance **d** is the least of the following two distances:

- $\mathbf{d_1}$ from the last axle of the motor vehicle to the first axle of the first trailer, and
- $\mathbf{d_2}$ from the last axle of the first trailer to the first axle of the second trailer.

Figure 10 illustrates the inter-vehicle-unit distance for a motor vehicle towing two trailers. Since $\mathbf{d_2}$ is less than $\mathbf{d_1}$, the inter-vehicle-unit distance for this vehicle is $\mathbf{d_2}$.

Figure 10: Inter-Vehicle-Unit Distance



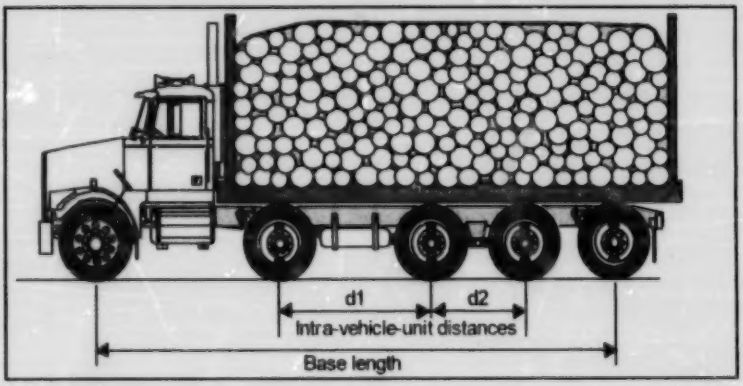
Intra-Vehicle-Unit Distance

The intra-vehicle-unit distance [Page 18] applies only to a motor vehicle with five or six axles, without a towed vehicle. The intra-vehicle-unit distance **d** is the greater of the following two distances:

- $\mathbf{d_1}$ from the second to the third axle from the front of the vehicle, or
- $\mathbf{d_2}$ from the third to the fourth axle from the front of the vehicle.

Figure 11 illustrates the intra-vehicle-unit distance for a single unit motor vehicle with five axles. Since $\mathbf{d_1}$ is greater than $\mathbf{d_2}$, the intra-vehicle-unit distance for this vehicle is $\mathbf{d_1}$.

Figure 11: Intra-vehicle-unit Distance



General Rule

The inter- or intra-vehicle unit distance is determined from the appropriate axle spacings.

Exception

If the rear trailer of a combination of vehicles weighs less than 5% of the combination's gross weight, the axles on the rear trailer are not included in the calculation of inter-vehicle-unit distance, Reg. 597 s2(4) [Page 177].

Step 7c: Determine Base Length

Description

Base length [Page 13] is the distance measured from the first axle of the front axle of a vehicle to the last axle of the vehicle.

Base length is illustrated for each of the vehicles shown in Figures 9, 10 and 11.

General Rule

Base length may be determined by a direct measurement, or by adding measurements of the distance between consecutive axles on the vehicle.

Exception

If the rear trailer of a combination of vehicles weighs less than 5% of the combination's gross weight, the axles on the rear trailer are not included in the calculation of the base length, Reg. 597 s2(4) [Page 177].

Step 7d: Determine Front Axle Weight

The tables of allowable gross weight in Chapter 8 [Page 101] depend on the allowable front axle weight [Page 39].

The tables are set up for the most common case, where the front axle is a single axle.

If the front axle is a single axle, the allowable front axle weight from Step 1 [Page 39] is used directly.

If the front axle is a dual axle, one-half the allowable front axle weight of the dual front axle from Step 1 is used in the table.

If the front axle is a triple axle, one-third the allowable front axle weight of the triple front axle from Step 1 is used in the table.

Step 7e: Determine the Gross Weight Table

General Rule

Reg. 597 s2 [Page 174] prescribes the gross weight table that must be used, depending on the:

- Number of axles on the vehicle [Page 41]; and
- Inter- or intra-vehicle-unit distance [Page 42].

Exceptions

1. For a 5-axle A- or C-train double with an overall length up to 23 m, use Gross Weight Table 8 regardless of the inter-vehicle-unit distance, Reg. 597 s2(2) [Page 177].
2. For a single unit vehicle with 7 axles, use Gross Weight Table 16, Reg. 597 s2(3) [Page 177].
3. For a single unit vehicle with 8 or more axles, use Gross Weight Table 23, Reg. 597 s2(3) [Page 177].
4. For a B-train double with a box length over 18.5 m or an overall length over 23 m, use Table A [Page 201] if a vehicle has 7 axles, or Table B [Page 202] if it has 8 or 9 fixed axles, Reg. 32/94 s14(3).

Example

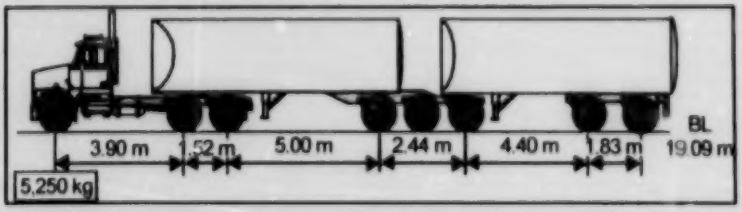
An example vehicle is shown in Figure 12.

Step 7a determines this vehicle has 8 axles.

Step 7b determines the vehicle has an inter-vehicle unit distance of 4.40 m.

Reg. 597 s2(29) [Page 177] prescribes that Gross Weight Table 29 [Page 130] must be used for this vehicle.

Figure 12: Example Vehicle



Step 7f: Determine Allowable Gross Weight

The use of a table is illustrated by continuing the example shown in Figure 12, which determined that Table 29 must be used for this vehicle. Figure 13 shows a fragment of Table 29.

Step 7c determines the vehicle has a base length of 19.09 m. This falls in the second last row of the table, from 19.00 to less than 19.25 m, highlighted in Figure 13.

Step 7d determines the vehicle has an allowable front axle weight of 5,250 kg. This falls in the second column of the table, from 5,001 to 5,500 kg, also highlighted in Figure 13.

The allowable gross weight for this vehicle is the entry where the row of base length meets the column of front axle weight. This entry gives the allowable gross weight as 61,400 kg.

Figure 13: Getting the Allowable Gross Weight from a Gross Weight Table

Gross Weight Table 29: Allowable Gross Weight for a Vehicle with Eight or More Axles (kilograms)
Inter-Vehicle-Unit Distance 3.6 metres or more

Base length (metres)	Front axle weight (kilograms)				
	5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less Than **7,000**
Less than 16.00	54,800	55,200	55,600	56,000	56,400
16.00 to less than 16.25	55,200	55,700	56,100	56,500	56,900
16.25 to less than 16.50	55,700	56,200	56,600	57,000	57,400
16.50 to less than 16.75	56,200	56,600	57,100	57,500	57,900
16.75 to less than 17.00	56,700	57,100	57,600	58,000	58,400
17.00 to less than 17.25	57,100	57,600	58,100	58,500	58,900
17.25 to less than 17.50	57,600	58,100	58,600	59,000	59,400
17.50 to less than 17.75	58,100	58,600	59,100	59,500	59,900
17.75 to less than 18.00	58,600	59,100	59,600	60,000	60,400
18.00 to less than 18.25	59,100	59,600	60,100	60,500	60,900
18.25 to less than 18.50	59,600	60,100	60,600	61,000	61,400
18.50 to less than 18.75	60,100	60,600	61,100	61,500	61,900
18.75 to less than 19.00	60,600	61,000	61,500	61,900	62,300
19.00 to less than 19.25	**61,100**	**61,400**	**61,900**	**62,300**	**62,700**
19.25 and over	61,500	61,800	62,300	62,700	63,100

STEP 8: CALCULATE ALLOWABLE GROSS WEIGHT

General Rule

Take the lowest result from Calculation 1 [Page 40], Calculation 2 [Page 40] and Calculation 3 [Page 41].

STEP 9: MAKE ADJUSTMENTS

Exceptions

The HTA and regulations prescribe a number of adjustments that must be made after the allowable gross weight has been calculated. These are all exceptions to the general rule, which is the result from Step 8.

1. For a vehicle exclusively carrying raw forest products during the designated period of freeze up, increase the allowable gross weight, and all other allowable weights, by 10%, HTA s119 [Page 157].

2. For an A-train double with an overall length over 23 m, the allowable gross weight must not exceed:

   (a) 41,900 kilograms with five axles;

   (b) 49,800 kilograms with six axles; or

   (c) 53,500 kilograms with seven or eight fixed axles,

   Reg. 32/94 s14(3) [Page 198].

3. For a C-train double with a box length over 18.5 m or an overall length over 23 m, the allowable gross weight must not exceed:

   (a) 41,900 kilograms with five axles;

   (b) 49,800 kilograms with six axles;

   (c) 54,600 kilograms with seven axles; or

   (d) 58,500 kilograms with eight fixed axles,

   Reg. 32/94 s25(4) [Page 204].

4. For an aggregate vehicle with two axles, subtract 1,000 kilograms, Reg. 597 s3(2) [Page 178].

5. For an aggregate vehicle with three or more axles, subtract 1,500 kilograms, Reg. 597 s3(2) [Page 178].

6. For a combination of vehicles where the rear trailer weighs less than 5% of the combination's gross weight, add the actual gross weight of the rear trailer to the allowable gross weight of the vehicle determined from Step 8, but the result must not exceed 63,500 kilograms, Reg. 597 s2(4) and 2(5) [Page 177].

7. For a tractor with a triaxle single semi-trailer:

   - Effective January 1, 2006, subtract 3,000 kilograms if the semi-trailer is not a self-steer triaxle semi-trailer [Page 179], an end dump semi-trailer [Page 15], a carbon dioxide tank semi-trailer [Page 14], a cryogenic tank semi-trailer [Page 15], or a tag axle tank semi-trailer [Page 20], Reg. 597 s8(2) [Page 186].

   - Effective January 1, 2011, subtract 4,500 kilograms if the semi-trailer is not a self-steer triaxle semi-trailer, an end dump semi-trailer, or any type of tank semi-trailer [Page 21], Reg. 597 s8(3) [Page 186].

   - Effective January 1, 2021, subtract 4,500 kilograms if the semi-trailer is not a self-steer triaxle semi-trailer or an end dump semi-trailer, Reg. 597 s8(4) [Page 186].

   - These changes are summarized in Figure 14, below.

STEP 10: CHECK REGISTERED GROSS WEIGHT

The allowable gross weight for a vehicle is the result from Step 9, or the registered gross weight [Page 19] for the vehicle, whichever is least, HTA s121(1) [Page 158].

Exception

The Registered Gross Weight of a commercial motor vehicle, other than a bus, need not include the weight of a trailer or trailers that transmit a total weight of 2,800 kg or less to the highway, Reg 628 s1.

Figure 14: Summary of Gross Weight Changes for Triaxle Single Semi-Trailers

Triaxle Semi-trailer Configuration	Effective January 1, 2001	Effective January 1, 2006	Effective January 1, 2011	Effective January 1, 2021
Self-steer or end dump	No change	→	→	→
Cryogenic, carbon dioxide or self-steer tag-axle tanker	No change	→	→	Subtract 4,500 kg
All other tankers	No change	Subtract 3,000 kg	→	Subtract 4,500 kg
All other triaxle semi-trailers	No change	Subtract 3,000 kg	Subtract 4,500 kg	→

NOTES

Some vehicles cannot be loaded so that their front axle reaches its maximum allowable weight. A realistic front axle weight should be used to calculate the gross weight for such a vehicle. Its allowable gross weight may be less than that calculated using the maximum allowable front axle weight.

It may not always be possible to load the maximum weight of payload on some vehicle configurations, because the size and shape of the cargo, design of the vehicle, or operational considerations restrict where cargo can be placed. The highest possible weight of payload that can be carried is that which keeps all axle weights and the gross weight within allowable limits. This may be well below the allowable gross weight for the vehicle. Loading more cargo will make the vehicle overweight. In some such cases, it may be possible to increase the weight of payload by sliding an axle bogie or fifth wheel, or by changing the weight carried by a liftable axle.

5. EXAMPLES OF CALCULATION OF GROSS VEHICLE WEIGHT

This Chapter presents examples of calculation of allowable gross weight. It illustrates the general rules, and the principal exceptions to those rules, for a variety of vehicles.

EXAMPLES

The following pages present 27 examples that illustrate the procedure for calculating allowable gross weight, including the effect of any applicable exceptions. There are examples for single unit vehicles, and vehicles with one and two trailers. The first 19 examples cover the general rules, and the last 8 examples cover the exception for aggregate vehicles. Figure 15 cross-references the particular rules illustrated by the various examples.

Each example is illustrated with a diagram of the vehicle showing the axle spacings, base length, axle units, any axle groups, and the allowable weight for each axle unit and any axle group. The example is annotated with notes, identified by a superscript number. Typically, notes identify:

- The source for the allowable front axle weight;
- Any axle unit weight determined by an exception to the general rules;
- The gross weight table used for Calculation 3; and
- The source for any exception that results in an adjustment to the allowable gross weight.

The examples always assume that the driver has verification of the gross axle weight rating for a single front axle when it is over 5,000 kg, and that the allowable gross weight does not exceed the Registered Gross Weight for the vehicle.

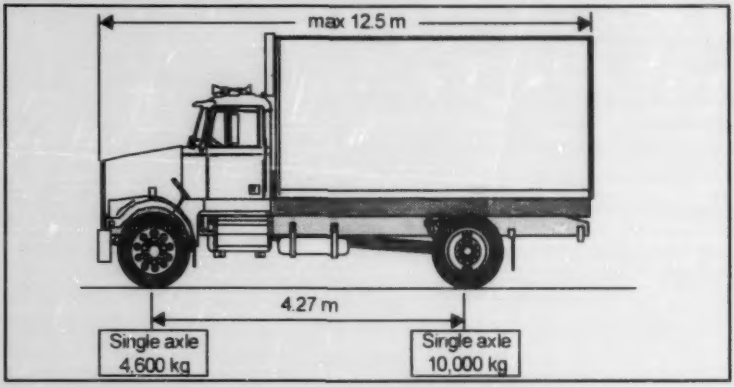
The following abbreviations are used in these examples:

- AGW means allowable gross weight;
- BL means base length; and
- GAWR means gross axle weight rating.

Figure 15: Cross-reference of Topics Covered in Examples.

Case	Example																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Aggregate vehicle																				X	X	X	X	X	X	X	X
Regulation 32/94						X		X	X								X		X								X
Self-steer semi-trailer												X		X													
Axle group			X		X								X			X											
Axle weight exception						X	X		X	X		X	X	X	X		X	X	X						X	X	X
Triaxle weight reduction										X																	
Raw forest products					X																						
Reduced load period								X																			
Class B Highway											X																
Single unit	X	X	X	X	X															X	X	X					
Truck and trailer																							X	X			
Tractor-semi-trailer						X	X	X	X	X	X	X	X	X		X									X	X	
Double trailer															X		X	X	X								X

Example 1: 2-axle Single Unit Vehicle



Allowable front axle weight is 4,600 kg[1]

Calculation 1

AGW = 4,600+10,000 = 14,600 kg

Calculation 2 is not required, no axle groups

Calculation 3 is not required for a 2-axle vehicle

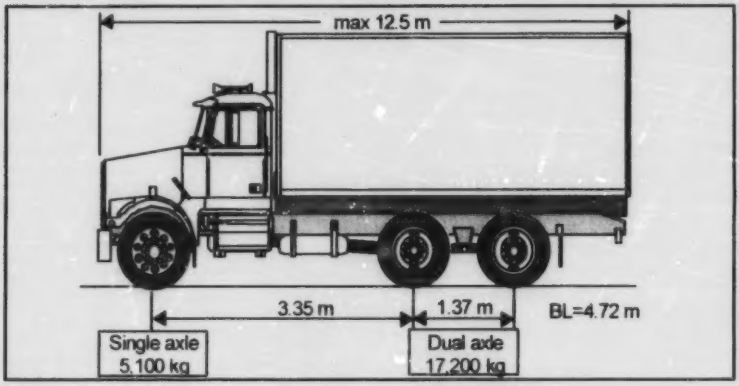
Least of Calculations 1, 2, 3 = 14,600 kg

Adjustment is not required

Allowable gross weight ..... 14,600 kg

Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Example 2: 3-Axle Single Unit Vehicle with Dual Axle



Allowable front axle weight is 5,100 kg[1]

Calculation 1

AGW = 5,100+17,200 = 22,300 kg

Calculation 2 is not required, no axle groups

Calculation 3

Intra-vehicle-unit distance is not required for a 3-axle vehicle

Base length = 4.72 m

AGW = 24,300 kg[2]

Least of Calculations 1, 2, 3 is 22,300 kg

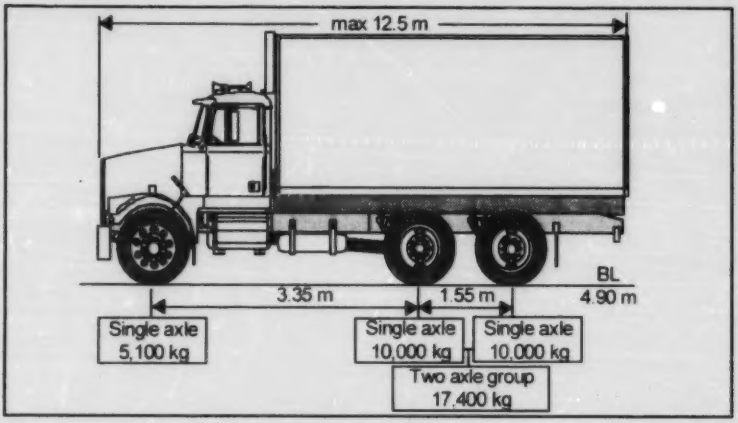
Adjustment is not required

Allowable gross weight ..... 22,300 kg

Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Note 2: Gross Weight Table 1 [Page 102].

Example 3: 3-Axle Single Unit Vehicle with Two Axle Group



Allowable front axle weight is 5,100 kg[1]

Calculation 1

AGW = 5,100+10,000+10,000 = 25,100 kg

Calculation 2

AGW = 5,100+17,400[2] = 22,500 kg

Calculation 3

Intra-vehicle-unit distance not required for a 3-axle vehicle

Base length = 4.90 m

AGW = 24,300 kg[3]

Least of Calculations 1, 2, 3 = 22,500 kg

Adjustment is not required

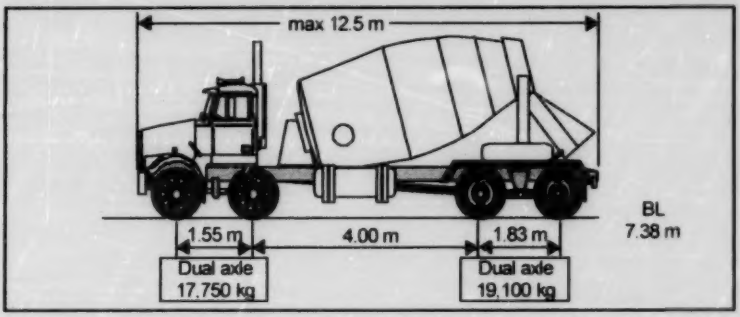
Allowable gross weight ..... 22,500 kg

Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Note 2: Axle Weight Table 3 [Page 98].

Note 3: Gross Weight Table 1 [Page 102].

Example 4: Twin steer 4-axle Single Unit Vehicle



Allowable front axle weight is 17,750 kg[1]

Calculation 1

AGW = 17,750+19,100 = 36,850 kg

Calculation 2 is not required, no axle groups

Calculation 3

Intra-vehicle-unit distance is not required for a 4-axle vehicle

Base length = 7.38 m

AGW = 36,700 kg[2]

Least of Calculations 1, 2, 3 is 36,700 kg

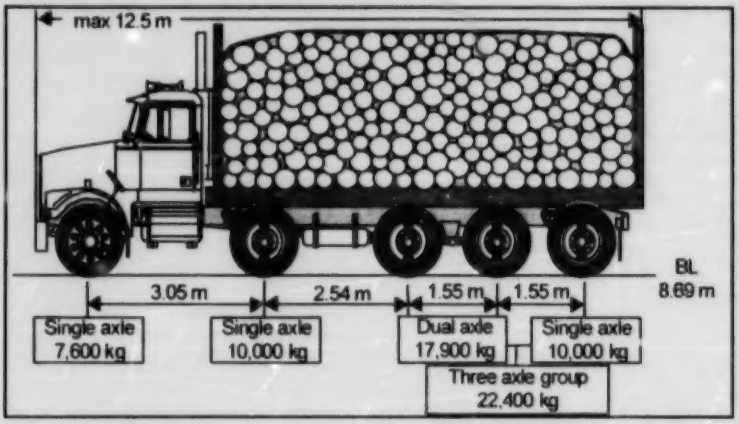
Adjustment is not required

Allowable gross weight ..... 36,700 kg

Note 1: Actual weight, front axle GAWR 18,144 kg [Page 39].

Note 2: Gross Weight Table 2 [Page 103], using a front axle weight of 8,875 kg, which is one half the allowable front axle weight for a dual axle [Page 44].

Example 5: 5-axle Single Unit Log Truck



Allowable front axle weight is 7,600 kg[1]

Calculation 1

AGW = 7,600+10,000+17,900+10,000 = 45,500 kg

Calculation 2

AGW = 7,600+10,000+22,400[2] = 39,600 kg

Calculation 3

Intra-vehicle-unit distance = max(2.54, 1.55) = 2.54 m

Base length = 8.69 m

AGW = 37,200 kg[3]

Least of Calculations 1, 2, 3 is 37,200 kg

Adjustment

All allowable weights increase during freeze-up by 10%[4]

Allowable gross weight ..... 37,200 kg by general rules

..... 40,920 kg during freeze-up

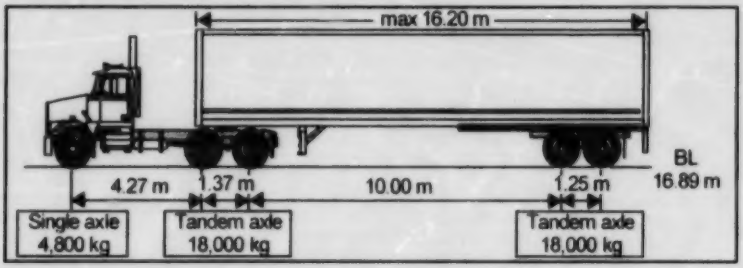
Note 1: Actual weight, front axle GAWR 9,072 kg [Page 39].

Note 2: Axle Weight Table 4 [Page 99].

Note 3: Gross Weight Table 4 [Page 105].

Note 4: HTA s119 [Page 157].

Example 6: 5-axle Tractor-semi-trailer



Allowable front axle weight is 4,800 kg[1]

Calculation 1

AGW = 4,800+18,000[2]+18,000[2] = 40,800 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = 10.00 m

Base length = 16.89 m

AGW = 43,000 kg[3]

Least of Calculations 1, 2, 3 is 40,800 kg

Adjustment is not required

Allowable gross weight ..... 40,800 kg

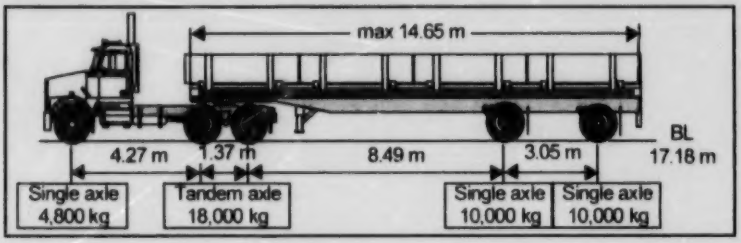
Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Note 2: Reg. 597 s9 [Page 186].

Note 3: Gross Weight Table 8 [Page 109].

Note 4: If the semi-trailer length exceeds 14.65 m, the vehicle must comply with all dimension, weight and equipment requirements of Reg. 32/94 [Page 189].

Example 7: 5-axle Tractor-semi-trailer with Two Single Axles



Allowable front axle weight is 4,800 kg[1]

Calculation 1

AGW = 4,800+18,000[2]+10,000+10,000 = 42,800 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = 8.49 m

Base length = 17.18 m

AGW = 43,000 kg[3]

Least of Calculations 1, 2, 3 is 42,800 kg

Adjustment is not required

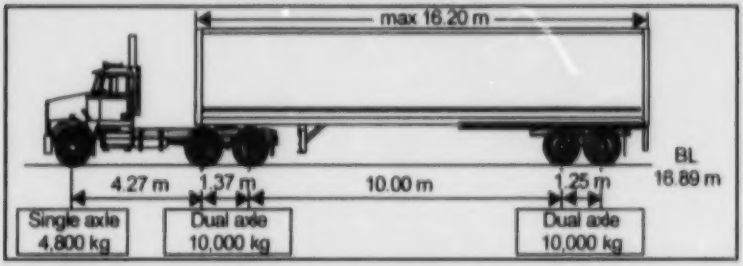
Allowable gross weight ..... 42,800 kg

Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Note 2: Reg. 597 s9 [Page 186].

Note 3: Gross Weight Table 8 [Page 109].

Example 8: 5-axle Tractor-semi-trailer on Designated Highway during Reduced Load Period



Allowable front axle weight is 4,800 kg[1]

Calculation 1

AGW = 4,800+10,000[2]+10,000[2] = 24,800 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = 10.00 m

Base length = 16.89 m

AGW = 43,000 kg[3]

Least of Calculations 1, 2, 3 is 24,800 kg

Adjustment is not required

Allowable gross weight ..... 24,800 kg

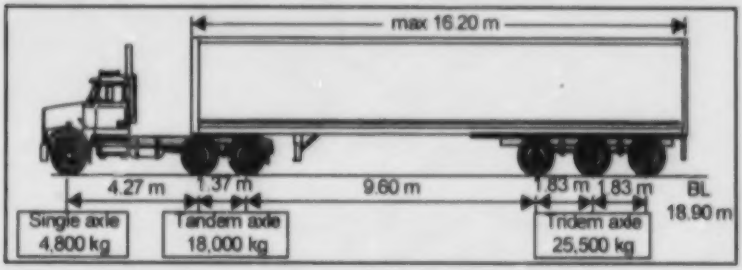
Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Note 2: Allowable weight is 5,000 kg per axle, HTA s122(1) [Page 159].

Note 3: Gross Weight Table 8 [Page 109].

Note 4: If the semi-trailer length exceeds 14.65 m, the vehicle must comply with all dimension, weight and equipment requirements of Reg. 32/94 [Page 189].

Example 9: 6-axle Tractor-semi-trailer



Allowable front axle weight is 4,800 kg[1]

Calculation 1

AGW = 4,800+18,000[2]+25,500[3] = 48,300 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = 9.60 m

Base length = 18.90 m

AGW = 52,000 kg[4]

Least of Calculations 1, 2, 3 is 48,300 kg

Adjustment is not required

Allowable gross weight ..... 48,300 kg

Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Note 2: Reg. 597 s9 [Page 186].

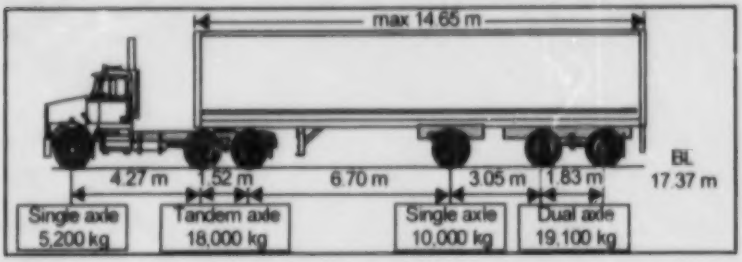
Note 3: Reg. 597 s11(2) [Page 187].

Note 4: Gross Weight Table 15 [Page 116].

Note 5: The tridem axle weight increases to 26,000 kg on January 1, 2006, Reg. 597 s11(3) [Page 188]. The AGW will increase by 500 kg on this date.

Note 6: If the semi-trailer length exceeds 14.65 m, the vehicle must comply with all dimension, weight and equipment requirements of Reg. 32/94 [Page 189].

Example 10: 6-axle Tractor-Triaxle semi-trailer



Allowable front axle weight is 5,200 kg[1]

Calculation 1

AGW = 5,200+18,000[2]+10,000+19,100 = 52,300 kg

Calculation 2 is not required, no axle groups.

Calculation 3

Inter-vehicle-unit distance = 6.70 m

Base length = 17.37 m

AGW = 52,500 kg[3]

Least of Calculations 1, 2, 3 is 52,300 kg

Adjustment

Subtract 3,000 kg effective Jan. 1, 2006[4], then 4,500 kg effective January 1, 2011[5].

Allowable gross weight ..... 52,300 kg until Dec. 31, 2005; ..... then 49,300 kg until Dec. 31, 2010 (2020 for tankers)[4]; ..... then 47,800 kg from Jan. 1, 2011 (2021 for tankers)[5]

Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

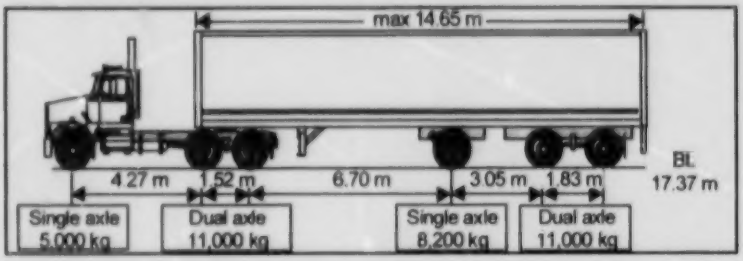
Note 2: Reg. 597 s9 [Page 186].

Note 3: Gross Weight Table 15 [Page 116].

Note 4: Reg. 597 s8 [Page 185], except for self-steer triaxle, end-dump, and some tanker semi-trailers.

Note 5: Reg. 597 s8 [Page 185], except for self-steer triaxle and end-dump semi-trailers.

Example 11: 6-axle Tractor-Triaxle semi-trailer on a Class B Highway



Allowable front axle weight is 5,000 kg[(1)]

Calculation 1

AGW = 5,000+11,000[(2)]+8,200[(2)]+11,000[(2)] = 35,200 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = 6.70 m

Base length = 17.37 m

AGW = 52,000 kg[(3)]

Least of Calculations 1, 2, 3 is 35,200 kg

Adjustment is not required

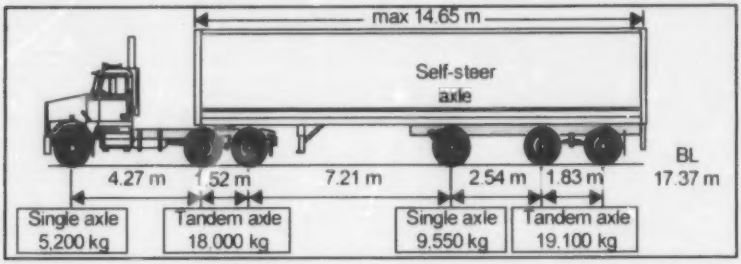
Allowable gross weight ..... 35,200 kg

Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Note 2: 5,500 kg per axle, or 8,200 kg if axles are separated by 2.4 m or more, HTA s120 [Page 158].

Note 3: Gross Weight Table 15 [Page 116].

Example 12: 6-axle Tractor-Self-steer Triaxle Semi-trailer



Allowable front axle weight is 5,200 kg[1]

Calculation 1

AGW = 5,200+18,000[2]+9,550[3]+19,100[4] = 51,850 kg

Calculation 2 not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = 7.21 m

Base length = 17.37 m

AGW = 52,500 kg[5]

Least of Calculations 1, 2, 3 is 51,850 kg

Adjustment is not required

Allowable gross weight ..... 51,850 kg[6]

Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Note 2: Reg. 597 s9 [Page 186].

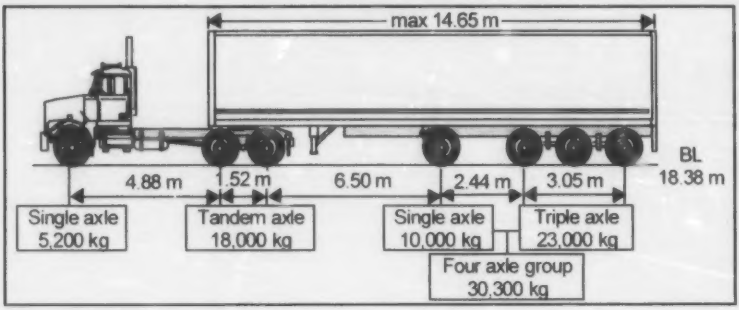
Note 3: Requirement for load equalization between all three axles on the semi-trailer limits the weight on the single axle to half the allowable weight on the tandem axle, Reg. 597 s4(3)(6) [Page 180].

Note 4: Reg. 597 s4(3)(2) [Page 180] requires this to be a tandem axle.

Note 5: Gross Weight Table 15 [Page 116].

Note 6: Must conform fully to Reg. 597 s4 [Page 179].

Example 13: 7-axle Tractor-semi-trailer



Allowable front axle weight is 5,200 kg[(1)]

Calculation 1

AGW = 5,200+18,000[(2)]+10,000+23,000 = 56,200 kg

Calculation 2

AGW = 5,200+18,000+30,300[(3)] = 53,500 kg

Calculation 3

Inter-vehicle-unit distance = 6.50 m

Base length = 18.38 m

AGW = 58,600 kg[(4)]

Least of Calculations 1, 2, 3 is 53,500 kg

Adjustment is not required

Allowable gross weight ..... 53,500 kg

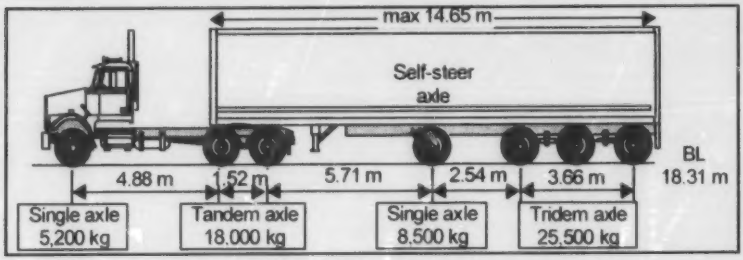
Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Note 2: Reg. 597 s9 [Page 186].

Note 3: Axle Weight Table 4 [Page 99].

Note 4: Gross Weight Table 22 [Page 123].

Example 14: 7-axle Tractor Self-steer Quad Semi-trailer



Allowable front axle weight is 5,200 kg[(1)]

Calculation 1

AGW = 5,200+18,000[(2)]+8,500[(3)]+25,500[(4)] = 57,200 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = 5.71 m

Base length = 18.31 m

AGW = 58,600 kg[(5)]

Least of Calculations 1, 2, 3 is 57,200 kg

Adjustment is not required

Allowable gross weight ..... 57,200 kg

Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Note 2: Reg. 597 s9 [Page 186].

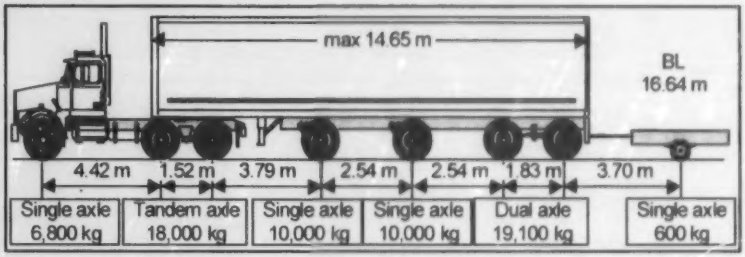
Note 3: Requirement for load equalization between all four axles on the semi-trailer limits the weight on the single axle to one third the allowable weight on the tridem axle, Reg. 597 s5(4)(7) [Page 183].

Note 4: Reg. 597 s5(4)(2) [Page 182] requires this to be a tridem axle, weight by Reg. 597 s10(2) [Page 187].

Note 5: Gross Weight Table 22 [Page 123].

Note 6: Must conform fully to Reg. 597 s5 [Page 181].

Example 15: 7-axle Tractor-semi-trailer Towing Light Trailer



Allowable front axle weight is 6,800 kg[(1)]

Calculation 1

AGW = 6,800+18,000[(2)]+10,000+10,000+19,100= 63,900 kg[(3)]

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = 3.70 m

Base length = 16.64 m [(3)]

AGW = 56,900 kg[(4)]

Least of Calculations 1, 2, 3 is 56,900 kg

Adjustment

Add 600 kg, actual weight on trailer axle[(5)].

Allowable gross weight ..... 57,500 kg

Note 1: Actual weight, front axle GAWR 7,258 kg [Page 39].

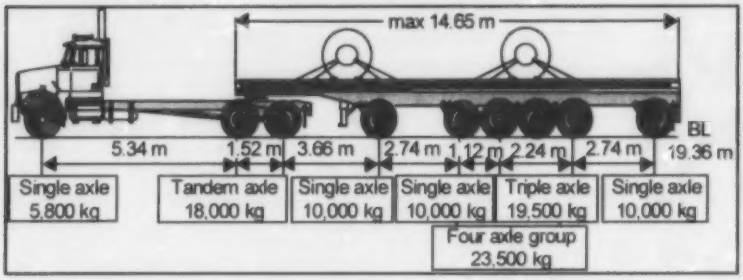
Note 2: Reg. 597 s9 [Page 186].

Note 3: Trailer weight of 600 kg is less than 5% of gross weight of vehicle, so the trailer axle is ignored in calculation of number of axles and base length, Reg. 597 s2(4) [Page 177].

Note 4: Gross Weight Table 22 [Page 123].

Note 5: Actual trailer axle weight is added back in to give allowable gross weight, Reg. 597 s2(4) [Page 177].

Example 16: 9-axle Tractor-semi-trailer



Allowable front axle weight is 5,800 kg[(1)]

Calculation 1

AGW = 5,800+18,000[(2)]+10,000+10,000+19,500+10,000 =

73,300 kg

Calculation 2

AGW=5,800+18,000[(2)]+10,000+23,500[(3)]+10,000=67,300 kg

Calculation 3

Inter-vehicle-unit distance = 3.66 m

Base length = 19.36 m

AGW = 62,300 kg[(4)]

Least of Calculations 1, 2, 3 is 62,300 kg

Adjustment is not required

Allowable gross weight ..... 62,300 kg

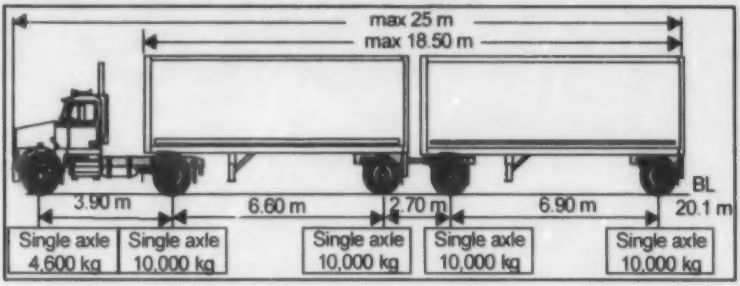
Note 1: Actual weight, front axle GAWR 6,350 kg [Page 39].

Note 2: Reg. 597 s9 [Page 186].

Note 3: Axle Weight Table 5 [Page 100].

Note 4: Gross Weight Table 29 [Page 130].

Example 17: 5-axle A-train Double



Allowable front axle weight is 4,600 kg[1]

Calculation 1

AGW=4,600+10,000+10,000+10,000+10,000 = 44,600 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = min(6.60, 2.70 m) = 2.70 m

Base length = 20.10 m

AGW = 43,000 kg[2]

Least of Calculations 1, 2, 3 is 43,000 kg

Adjustment is not required [3]

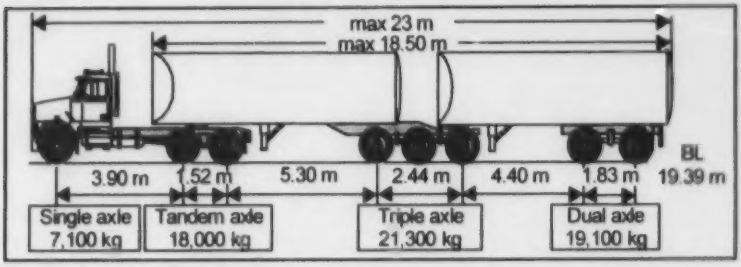
Allowable gross weight ..... 43,000 kg

Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Note 2: The inter-vehicle-unit distance must be disregarded, and Gross Weight Table 8 must be used [Page 109], Reg. 597 s2(2) [Page 177].

Note 3: If the overall length exceeds 23 m, the vehicle must comply with all dimension, weight and equipment requirements of Regulation 32/94 [Page 189], and its allowable gross weight is limited to 41,900 kg, Regulation 32/94 s14(3) [Page 198].

Example 18: 8-axle B-train Double



Allowable front axle weight is 7,100 kg[(1)]

Calculation 1

AGW=7,100+18,000[(2)]+21,300+19,100=65,500 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = min(5.30, 4.40 m) = 4.40 m

Base length = 19.39 m

AGW = 63,500 kg[(3)]

Least of Calculations 1, 2, 3 is 63,500 kg

Adjustment is not required

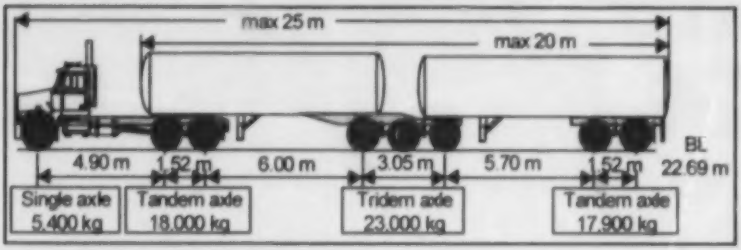
Allowable gross weight ..... 63,500 kg

Note 1: Actual weight, front axle GAWR 7,257 kg [Page 39].

Note 2: Reg. 597 s9 [Page 186].

Note 3: Gross Weight Table 29 [Page 130].

Example 19: 8-axle B-train Double over 23 m Long



Allowable front axle weight is 5,400 kg[1]

Calculation 1

AGW = 5,400+18,000[2]+23,000+17,900 = 64,300 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = min(6.00, 5.70 m) = 5.70 m

Base length = 22.69 m

AGW = 63,500 kg[3]

Least of Calculations 1, 2, 3 is 63,500 kg

Adjustment is not required

Allowable gross weight ..... 63,500 kg.

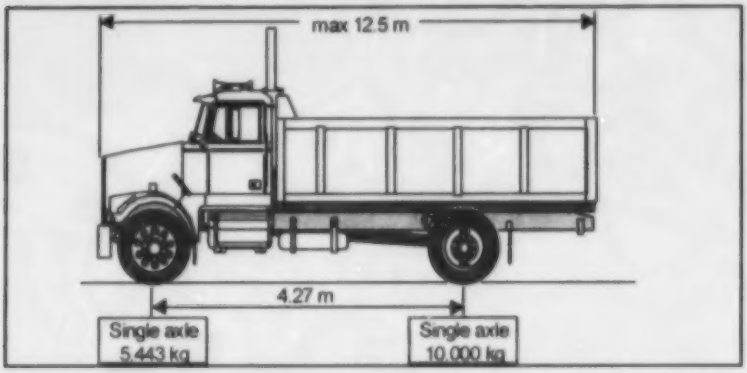
Note 1: Actual weight, front axle GAWR 5,443 kg [Page 39].

Note 2: Reg. 597 s9 [Page 186].

Note 3: Reg. 32/94 Gross Weight Table B [Page 202].

Note 4: If the box length exceeds 18.5 m and/or the overall length exceeds 23 m, the vehicle must comply with all dimension, weight and equipment requirements of Reg. 32/94 [Page 189].

Example 20: 2-axle Single Unit Aggregate Vehicle



Allowable front axle weight is 5,443 kg[1]

Calculation 1

AGW = 5,443+10,000 = 15,443 kg

Calculation 2 is not required, no axle groups

Calculation 3 is not required for a 2-axle vehicle

Least of Calculations 1, 2, 3 is 15,443 kg

Adjustment

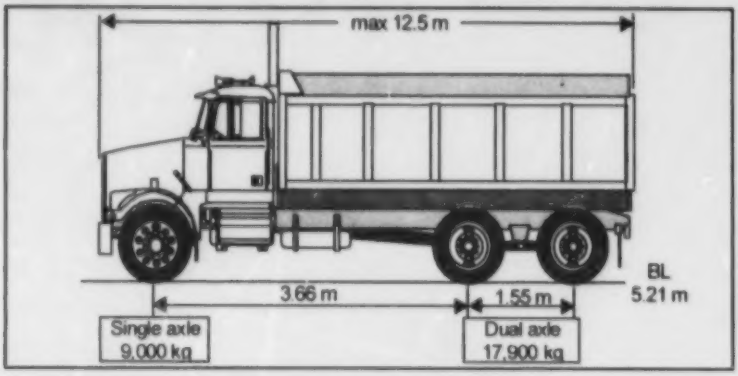
Subtract 1,000 kg for a 2-axle aggregate vehicle[2]

Allowable gross weight ..... 14,443 kg

Note 1: Front axle GAWR, Reg. 597 s3(2) [Page 178], regardless of the actual front axle weight.

Note 2: Reg. 597 s3(2) [Page 178].

Example 21: 3-Axle Single Unit Aggregate Vehicle



Allowable front axle weight is 9,000 kg[1]

Calculation 1

AGW = 9,000+17,900 = 26,900 kg

Calculation 2 is not required, no axle groups

Calculation 3

Intra-vehicle-unit distance is not required for a 3-axle vehicle

Base length = 5.21 m

AGW = 28,300 kg[2]

Least of Calculations 1, 2, 3 is 26,900 kg

Adjustment

Subtract 1,500 kg for an aggregate vehicle[3]

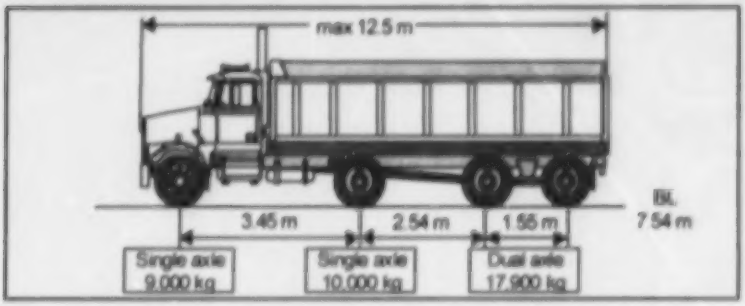
Allowable gross weight ..... 25,400 kg

Note 1: Front axle GAWR 9,072 kg, maximum allowable is 9,000 kg, Reg. 597 s3(2) [Page 178], regardless of the actual front axle weight.

Note 2: Gross Weight Table 1 [Page 102].

Note 3: Reg. 597 s3(2) [Page 178].

Example 22: 4-axle Single Unit Aggregate Vehicle



Allowable front axle weight is 9,000 kg[1]

Calculation 1

AGW = 9,000+10,000+17,900 = 36,900 kg

Calculation 2 is not required, no axle groups

Calculation 3

Intra-vehicle-unit distance is not required for a 4-axle vehicle

Base length = 7.54 m

AGW = 37,800 kg[2]

Least of Calculations 1, 2, 3 is 36,900 kg

Adjustment

Subtract 1,500 kg for an aggregate vehicle[3]

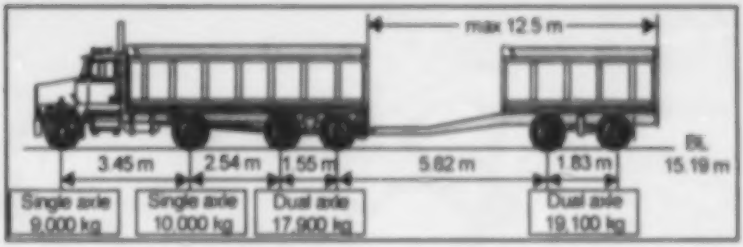
Allowable gross weight ..... 35,400 kg

Note 1: Front axle GAWR 9,072 kg, maximum allowable is 9,000 kg, Reg. 597 s3(2) [Page 178], regardless of the actual front axle weight.

Note 2: Gross Weight Table 2 [Page 103].

Note 3: Reg. 597 s3(2) [Page 178].

Example 23: 4-axle Truck and 2-axle Pony Trailer, Aggregate Vehicle



Allowable front axle weight is 9,000 kg[1]

Calculation 1

AGW = 9,000+10,000+17,900+19,100 = 56,000 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = 5.82 m

Base length = 15.19 m

AGW = 56,000 kg[2]

Least of Calculations 1, 2, 3 is 56,000 kg

Adjustment

Subtract 1,500 kg for an aggregate vehicle[3]

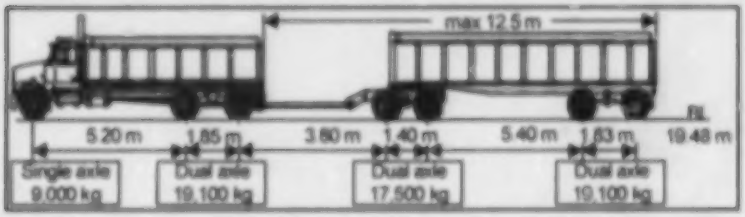
Allowable gross weight ..... 54,500 kg

Note 1: Front axle GAWR 9,072 kg, maximum allowable is 9,000 kg, Reg. 597 s3(2) [Page 178], regardless of the actual front axle weight.

Note 2: Gross Weight Table 15 [Page 116].

Note 3: Reg. 597 s3(2) [Page 178].

Example 24: 3-axle Truck and 4-axle Full Trailer, Aggregate Vehicle



Allowable front axle weight is 9,000 kg[1]

Calculation 1

AGW = 9,000+19,100+17,500+19,100 = 64,700 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = 3.80 m

Base length = 19.48 m

AGW = 63,300 kg[2]

Least of Calculations 1, 2, 3 is 63,300 kg

Adjustment

Subtract 1,500 kg for an aggregate vehicle[3]

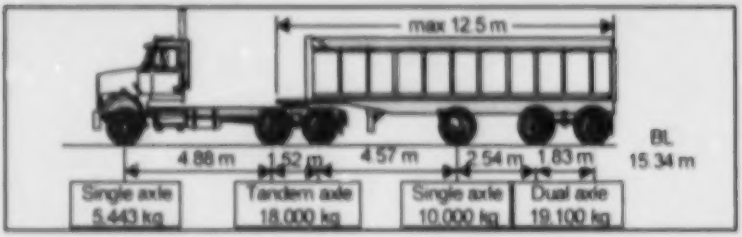
Allowable gross weight ..... 61,800 kg

Note 1: Front axle GAWR 9,072 kg, maximum allowable is 9,000 kg, Reg. 597 s3(2) [Page 178], regardless of the actual front axle weight.

Note 2: Gross Weight Table 22 [Page 123].

Note 3: Reg. 597 s3(2) [Page 178].

Example 25: 6-axle Tractor-Triaxle semi-trailer Aggregate Vehicle



Allowable front axle weight is 5,443 kg[1]

Calculation 1

AGW = 5,443+18,000[2]+10,000+19,100 = 52,543 kg

Calculation 2 is not required, no axle groups

Calculation 3

inter-vehicle-unit distance = 4.57 m

Base length = 15.34 m

AGW = 52,500 kg[3]

Least of Calculations 1, 2, 3 is 52,500 kg

Adjustment

Subtract 1,500 kg for an aggregate vehicle[4, 5]

Allowable gross weight is ..... 51,000 kg

Note 1: Front axle GAWR 5,443 kg used, up to 6,500 kg Reg. 597 s3(2) [Page 178], regardless of the actual front axle weight.

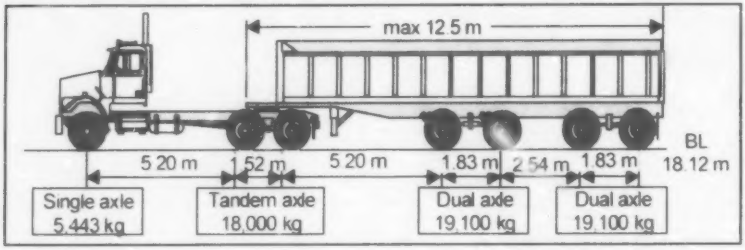
Note 2: Reg. 597 s9 [Page 186].

Note 3: Gross Weight Table 15 [Page 116].

Note 4: Reg. 597 s3(2) [Page 178].

Note 5: End-dump triaxle semi-trailers are exempt from weight reductions that apply to other triaxle semi-trailers, Reg. 597 s8 [Page 185].

Example 26: 7-axle Tractor-semi-trailer Aggregate Vehicle



Allowable front axle weight is 5,443 kg[1]

Calculation 1

AGW = 5,443+18,000[2]+19,100+19,100 = 61,643 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = 5.20 m

Base length = 18.12 m

AGW = 58,200 kg[3]

Least of Calculations 1, 2, 3 is 58,200 kg

Adjustment

Subtract 1,500 kg for an aggregate vehicle[4]

Allowable gross weight is ..... 56,700 kg

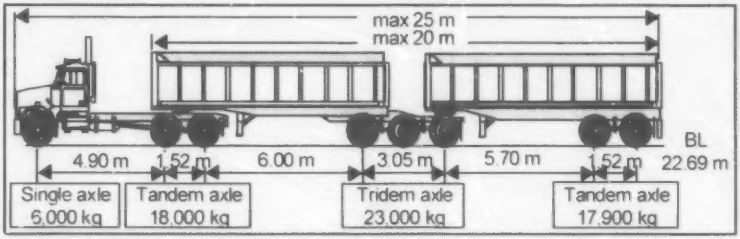
Note 1: Front axle GAWR 5,443 kg used, up to 6,500 kg Reg. 597 s3(2) [Page 178], regardless of the actual front axle weight.

Note 2: Reg. 597 s9 [Page 186].

Note 3: Gross Weight Table 22 [Page 123].

Note 4: Reg. 597 s3(2) [Page 178].

Example 27: 8-axle B-train Double over 23 m Long, Aggregate Vehicle



Allowable front axle weight is 6,000 kg[1]

Calculation 1

AGW = 6,000+18,000[2]+23,000+17,900 = 64,900 kg

Calculation 2 is not required, no axle groups

Calculation 3

Inter-vehicle-unit distance = min(6.00, 5.70 m) = 5.70 m

Base length = 22.69 m

AGW = 63,500 kg[3]

Least of Calculations 1, 2, 3 is 63,500 kg

Adjustment

Subtract 1,500 kg for an aggregate vehicle[4]

Allowable gross weight ..... 62,000 kg.

Note 1: Front axle GAWR 6,350 kg, maximum allowable is 6,000 kg, Reg. 32/94 s19(1) [Page 201], regardless of the actual front axle weight.

Note 2: Reg. 597 s9 [Page 186].

Note 3: Reg. 32/94 Gross Weight Table B [Page 202].

Note 4: Reg. 597 s3(2) [Page 178].

Note 5: The vehicle must comply with all dimension, weight and equipment requirements of Reg. 32/94 [Page 189].

6. DIMENSIONAL LIMITS

Explanation of Allowable Dimensions for Vehicles and Combinations of Vehicles

HEIGHT

General Rule

The maximum height allowed for any vehicle, or its load, is 4.15 m, HTA s109(14) [Page 136].

There are no exceptions from the maximum allowable height.

WIDTH OF VEHICLE

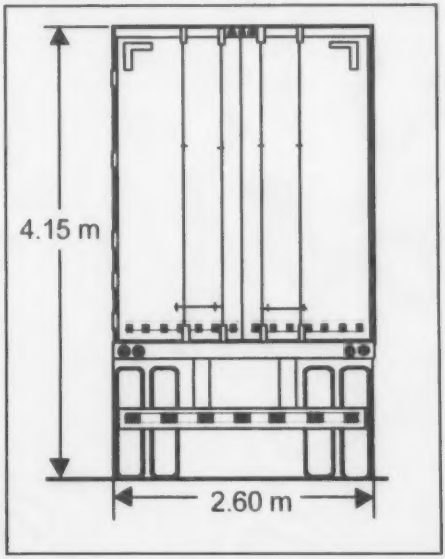
General Rule

The maximum width allowed for any vehicle is 2.6 m, HTA s109(1) [Page 133].

The following are excluded from the measurement of width of any vehicle:

- Mirrors, HTA s109(3) [Page 134];
- Lamps required by the HTA, HTA s109(3) [Page 134]; and
- Mechanisms for covering of loads, up to a maximum of 102 mm on either side, HTA s109(5) [Page 134].

Figure 16: Height and Width Limits



In addition, the following are excluded from the measurement of the width of a bus, HTA s109(4) [Page 134]:

- Rear vision mirrors;
- Side marker lamps;
- Side marker reflectors;
- Side mounted turn indicators; and
- Rubber fenders around the outer edges of wheel housings.

Exceptions

1. Traction engines are allowed a width up to 2.8 m, HTA s109(1) [Page 133].
2. Road service vehicles including snowploughs, when maintaining a public highway on behalf of the jurisdiction controlling the highway, HTA s109(1) [Page 133].
3. Over-dimensional farm vehicles when driven on certain highways, Reg. 603.

WIDTH OF LOAD

General Rule

The maximum width for the load on any vehicle is 2.6 m, HTA s109(2) [Page 133].

Exceptions

1. Raw forest products, which must not exceed a width of 2.7 m at the beginning of a trip, or 2.8 m at any time during transit.
2. Loose fodder, for which there is no limit.

OVERALL LENGTH FOR A SINGLE UNIT VEHICLE

General Rule

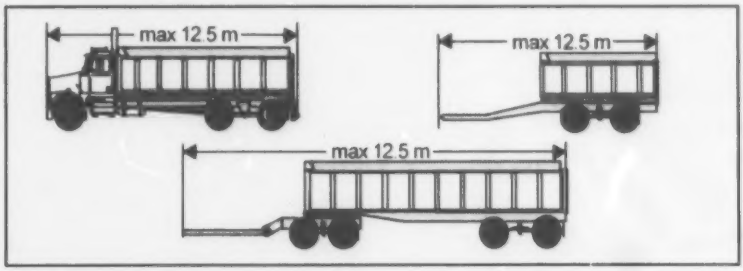
The maximum overall length is 12.5 m, as measured from the most forward part of the vehicle or load, to the most rearward part of the vehicle or load, HTA s109(6) [Page 134].

A mirror that extends beyond the front of a vehicle is excluded from overall length, HTA s109(13) [Page 136].

If load overhangs the rear of a vehicle by 1.5 m or more, the end of the load must be marked by a red flag or red light, depending on the time of day, HTA s111(1) [Page 145].

A trailer is included in the definition of a vehicle [Page 23], so the maximum overall length for any trailer that is not a semi-trailer is 12.5 m, measured from the front of the drawbar to the rear of the trailer. This limit applies to a full trailer, whether the trailer is an integral piece of equipment, or consists of a semi-trailer coupled to a trailer converter dolly. A semi-trailer may be longer than 12.5 m, but a semi-trailer coupled to a trailer converter dolly is limited to an overall length of 12.5 m.

Figure 17: Overall Length of Vehicle



Exceptions

1. Fire apparatus, for which no limit is specified.
2. Semi-trailer, as specified below.
3. Bus, also specified below.

OVERALL LENGTH FOR A SEMI-TRAILER

General Rule

The maximum overall length allowed for a semi-trailer is 14.65 m, HTA s109(10) [Page 135].

The length is the external measurement, from outside the front structure of the semi-trailer to outside the rear structure of the semi-trailer, but excluding:

- Auxiliary equipment or machinery that extends forward of the front structure of the semi-trailer, like an aerodynamic fairing or refrigeration unit, that is neither designed nor used for the transportation of goods; and
- Auxiliary equipment or machinery that extends rearward of the rear structure of the semi-trailer, like a tailgate or lift, that is neither designed nor used for the transportation of goods.

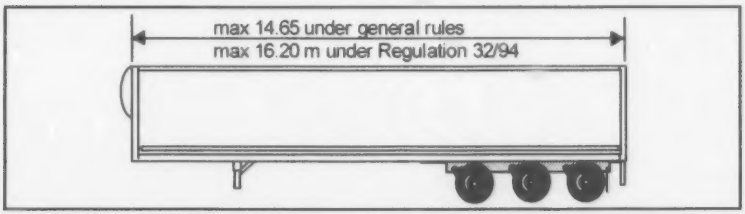
Goods are considered to include material and equipment that is used in operation of the vehicle, like chains, dunnage, racks, tarps, etc.

Steel bumpers are considered part of the structure of a semi-trailer, so are included in the measurement of its length.

Exceptions

1. A semi-trailer designed to carry vehicles has no length limit, HTA s109(10.1) [Page 135].
2. A semi-trailer that meets all requirements of Reg. 32/94 s6 [Page 194] is allowed a length up to 16.2 m, but only the front exclusion applies, HTA s109(10.2) [Page 135].

Figure 18: Length of Semi-trailer



OVERALL LENGTH FOR A BUS

General Rule

The maximum overall length allowed for a bus is 12.5 m, HTA s109(11) [Page 136].

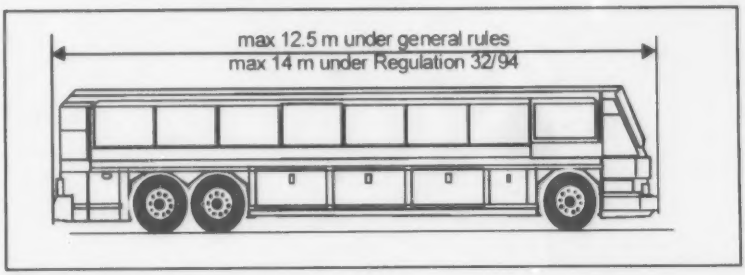
The following are excluded from the measurement of overall length of a bus:

- A liquid-filled or other energy-absorbing bumper, HTA s109(11) [Page 136]; and
- A mirror that extends beyond the front of the bus, HTA s109(13) [Page 136].

Exceptions

1. An inter-city motor coach may be up to 14 m long, Reg. 32/94 s26 [Page 205].
2. The 12.5 m length restriction does not apply to an articulated bus, HTA s109(11) [Page 134]. The maximum overall length of an articulated bus is 23 m.

Figure 19: Length of Bus



OVERALL LENGTH FOR A COMBINATION OF VEHICLES

General Rule

The maximum overall length allowed for a combination of vehicles, as measured from the most forward part of the vehicle or load to the most rearward part of the vehicle or load, is 23 m, HTA s109(7) [Page 134]

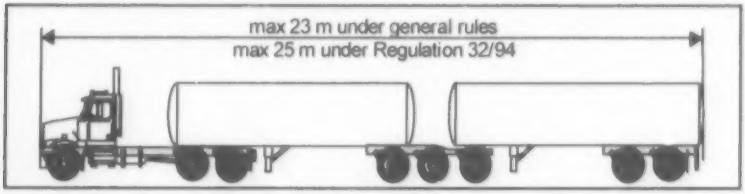
Exceptions

The HTA s109(7.1) [Page 135] allows an overall length up to 25 m for an:

- A-train double, Reg. 32/94 s10 [Page 196];
- B-train double, Reg. 32/94 s15 [Page 198]; and
- C-train double, Reg. 32/94 s20 [Page 202].

In each case, the vehicle must meet all the requirements of the regulation.

Figure 20: Overall Length of Combination of Vehicles



BOX LENGTH

General Rule

Box length applies to the trailers of a combination of vehicles with more than one trailer [Page 14]. It is the external measurement from the front of the first trailer to the rear of the rear trailer. The measurement excludes any auxiliary equipment or machinery that extends forward from the front structure of the first trailer, like an aerodynamic fairing or refrigeration unit, that is neither designed nor used for the transportation of goods.

The maximum box length is 18.5 m, HTA s109(8) [Page 135].

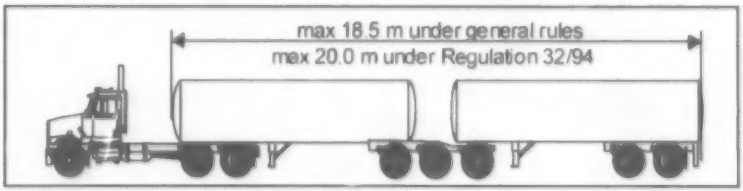
Exceptions

The HTA s109(8.1) [Page 135] allows a box length up to 20 m for the following exceptions:

- B-train double, Reg. 32/94 s15 [Page 198]; and
- C-train double, Reg. 32/94 s20 [Page 202].

In each case, the vehicle must meet all the requirements of the regulation.

Figure 21: Box length of Double Trailer Combination



INTERNAL DIMENSIONAL LIMITS

Regulations impose additional internal dimensional limits on the following vehicles that may operate under various exceptions to general rules:

- An inter-city motor coach longer than 12.5 m, Reg. 32/94 s26 [Page 205];
- A tractor-semi-trailer with a semi-trailer longer than 14.65 m, Reg. 32/94 s6 [Page 194];
- A tractor-self-steer triaxle semi-trailer, Reg. 597 s4 [Page 179];
- A tractor-self-steer quad semi-trailer, Reg. 597 s5 [Page 181];
- An A-train double whose overall length exceeds 23 m, Reg. 32/94 s10 [Page 196];
- A B-train double whose box length exceeds 18.5 m or overall length exceeds 23 m, Reg. 32/94 s15 [Page 198]; and
- A C-train double whose box length exceeds 18.5 m or overall length exceeds 23 m, Reg. 32/94 s20 [Page 202].

These vehicles may only operate if they meet all conditions of the regulation for their configuration.

7. AXLE WEIGHT TABLES

Extract from Part VIII of the Highway Traffic Act

This Chapter reproduces five tables for the allowable weight for axle units and axle groups, extracted from Part VIII of the Highway Traffic Act. The full text of Part VIII is reproduced in Chapter 10 [Page 149].

Axle Weight Table 1

Allowable Weight for a Dual Axle

Column One	Column Two	
Axle Spacing (Metres)	Maximum Allowable Weight (Kilograms)	See Exception
1.0 to less than 1.2	15,400	
1.2 to less than 1.3	17,000	18,000
1.3 to less than 1.4	17,200	18,000
1.4 to less than 1.5	17,500	18,000
1.5 to less than 1.6	17,900	18,000
1.6 to less than 1.7	18,300	
1.7 to less than 1.8	18,700	
1.8 or more	19,100	

General Rule

The allowable weight for a dual axle with dual tires is the value from Axle Weight Table 1 for the axle spacing.

The allowable weight for a dual axle with single tires is the value from Axle Weight Table 1, or 18,000 kg, whichever is least, HTA s116(2) [Page 155].

Exception

There is an exception from Axle Weight Table 1 for a dual axle that also meets the definition of a tandem axle in Regulations 597 and 32/94 [Page 21], and whose two axles have a spacing of 1.2 to less than 1.6 metres. This has an allowable weight of 18,000 kg under Reg. 597 s9 [Page 186].

This exception applies when the tandem axle is fitted to:

- A three axle tractor [Page 21] with a front single axle and a rear tandem axle;
- A single semi-trailer [Page 20] with no other axles deployed; or
- A self-steer triaxle semi-trailer, Reg. 597 s4 [Page 179].

Axle Weight Table 2

Allowable Weight for a Triple Axle

Column One	Column Two	
Axle Spacing (Metres)	Maximum Allowable Weight (Kilograms)	See Exceptions
2.0 to less than 2.4	19,500	
2.4 to less than 2.8	21,300	
2.8 to less than 2.9	21,700	
2.9 to less than 3.0	22,000	
3.0 to less than 3.2	23,000	X
3.2 to less than 3.3	23,100	X
3.3 to less than 3.4	23,400	X
3.4 to less than 3.5	23,800	X
3.5 to less than 3.6	24,100	X
3.6 to less than 3.7	24,400	X
3.7 to less than 3.8	24,800	
3.8 to less than 3.9	25,100	
3.9 to less than 4.0	25,500	
4.0 to less than 4.1	25,800	
4.1 to less than 4.2	26,200	
4.2 to less than 4.3	26,500	
4.3 to less than 4.4	26,900	
4.4 to less than 4.5	27,200	
4.5 to less than 4.6	27,600	
4.6 to less than 4.7	27,900	
4.7 to less than 4.8	28,300	
4.8 or more	28,600	

General Rule

The allowable weight for a triple axle with dual tires is the value from Axle Weight Table 2 for the axle spacing.

The allowable weight for a triple axle with single tires is the value from Axle Weight Table 2, or 27,000 kg, whichever is least, HTA s116(3) [Page 155].

Exceptions

There are the following exceptions from the general rule of Table 2 for a triple axle that meets the definition of a tridem axle in Regulations 597 and 32/94 [Page 22]:

1. For a self-steer quad semi-trailer as defined in Reg. 597 s5 [Page 181], the tridem axle has an allowable weight of:

   - 24,000 kg for a spread from 3.0 to less than 3.6 m; or
   - 25,500 kg for a spread from 3.6 to 3.7 m,

   Reg. 597 s10 [Page 187].

2. Until December 31, 2005, a single semi-trailer [Page 20] with no other axles deployed is allowed a tridem axle weight of 25,500 kg for a spread from 3.6 to 3.7 m, Reg. 597 s11(2) [Page 187].

3. Effective January 1, 2006, a single semi-trailer with no other axles deployed is allowed a tridem axle weight of:

   - 24,000 kg for a spread from 3.0 to less than 3.6 m; or
   - 26,000 kg for a spread from 3.6 to 3.7 m,

   Reg. 597 s11(3) [Page 188].

Axle Weight Table 3

Allowable Weight for a Two Axle Group

Column One	Column Two
Axle Group Spacing (Metres)	**Maximum Allowable Weight (Kilograms)**
1.0 to less than 1.2	15,000
1.2 to less than 1.3	16,300
1.3 to less than 1.4	16,700
1.4 to less than 1.5	17,000
1.5 to less than 1.6	17,400
1.6 to less than 1.7	17,800
1.7 to less than 1.8	18,200
1.8 to less than 1.9	18,600
1.9 to less than 2.0	19,100

Axle Weight Table 4

Allowable Weight for a Three Axle Group

Column One	Column Two
Axle Group Spacing (Metres)	**Maximum Allowable Weight (Kilograms)**
2.0 to less than 2.4	19,000
2.4 to less than 2.6	20,400
2.6 to less than 2.8	21,000
2.8 to less than 2.9	21,400
2.9 to less than 3.0	21,700
3.0 to less than 3.1	22,000
3.1 to less than 3.2	22,400
3.2 to less than 3.3	22,700
3.3 to less than 3.4	23,000
3.4 to less than 3.5	23,400
3.5 to less than 3.6	23,700
3.6 to less than 3.7	24,000
3.7 to less than 3.8	24,400
3.8 to less than 3.9	24,700
3.9 to less than 4.0	25,000
4.0 to less than 4.1	25,400
4.1 to less than 4.2	25,700
4.2 to less than 4.3	26,000
4.3 to less than 4.4	26,400
4.4 to less than 4.5	26,700
4.5 to less than 4.6	27,000
4.6 to less than 4.7	27,400
4.7 to less than 4.8	27,700
4.8 to less than 4.9	28,000
4.9 to less than 5.0	28,300
5.0 or more	28,600

Axle Weight Table 5
Allowable Weight for a Four Axle Group

Column One	Column Two
Axle Group Spacing (Metres)	Maximum Allowable Weight (Kilograms)
Less than 3.6	23,500
3.6 to less than 3.7	23,900
3.7 to less than 3.8	24,200
3.8 to less than 3.9	24,600
3.9 to less than 4.0	24,900
4.0 to less than 4.1	25,300
4.1 to less than 4.2	25,700
4.2 to less than 4.3	26,000
4.3 to less than 4.4	26,400
4.4 to less than 4.5	26,700
4.5 to less than 4.6	27,100
4.6 to less than 4.7	27,500
4.7 to less than 4.8	27,800
4.8 to less than 4.9	28,200
4.9 to less than 5.0	28,500
5.0 to less than 5.1	28,900
5.1 to less than 5.2	29,300
5.2 to less than 5.3	29,600
5.3 to less than 5.4	30,000
5.4 to less than 5.5	30,300
5.5 to less than 5.6	30,700
5.6 to less than 5.7	31,100
5.7 to less than 5.8	31,400
5.8 to less than 5.9	31,800
5.9 to less than 6.0	32,100
6.0 to less than 6.1	32,500
6.1 to less than 6.2	32,900
6.2 to less than 6.3	33,200
6.3 to less than 6.4	33,600
6.4 to less than 6.5	33,900
6.5 to less than 6.6	34,300
6.6 to less than 6.7	34,700
6.7 to less than 6.8	35,000
6.8 to less than 6.9	35,400
6.9 to less than 7.0	35,700
7.0 to less than 7.1	36,100
7.1 to less than 7.2	36,500
7.2 to less than 7.3	36,800
7.3 to less than 7.4	37,200
7.4 to less than 7.5	37,600
7.5 or more	38,000

8. GROSS WEIGHT TABLES

Extract from Regulation 597 made under the Highway Traffic Act

This Chapter contains 29 tables for the allowable gross weight of vehicles and combinations of vehicles, extracted from Regulation 597 made under Part VIII of the Highway Traffic Act. The full text of Regulation 597 is reproduced in Chapter 11 [Page 169].

Gross Weight Table 1: Allowable Gross Weight on a Vehicle with Three Axles (kilograms)

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less than **7,000**	**7,000** to less than **7,500**	**7,500** to less than **8,000**	**8,000** to less than **8,500**	**8,500** to less than **9,000**	**9,000** to less than **9,500**	**9,500** to **10,000**
less than 4.00	22,600	22,900	23,100	23,400	23,600	23,800	24,000	24,200	24,400	24,700	25,000
4.00 to less than 4.10	22,900	23,200	23,400	23,700	23,900	24,100	24,300	24,500	24,700	25,000	25,300
4.10 to less than 4.20	23,300	23,600	23,800	24,100	24,300	24,500	24,700	24,900	25,100	25,400	25,700
4.20 to less than 4.30	23,600	23,900	24,100	24,400	24,600	24,800	25,000	25,200	25,400	25,700	26,000
4.30 to less than 4.40	23,800	24,200	24,400	24,700	24,900	25,100	25,300	25,500	25,700	26,000	26,300
4.40 to less than 4.50	23,800	24,300	24,800	25,100	25,300	25,500	25,700	25,900	26,100	26,400	26,700
4.50 to less than 4.60	23,800	24,300	24,800	25,300	25,600	25,800	26,000	26,200	26,400	26,700	27,000
4.60 to less than 4.70	23,800	24,300	24,800	25,300	25,800	26,100	26,300	26,500	26,700	27,000	27,300
4.70 to less than 4.80	23,800	24,300	24,800	25,300	25,800	26,300	26,700	26,900	27,100	27,400	27,700
4.80 to less than 4.90	23,800	24,300	24,800	25,300	25,800	26,300	26,800	27,200	27,400	27,700	28,000
4.90 to less than 5.00	23,800	24,300	24,800	25,300	25,800	26,300	26,800	27,300	27,700	28,000	28,400
5.00 and over	23,800	24,300	24,800	25,300	25,800	26,300	26,800	27,300	27,800	28,300	28,800

Gross Weight Table 2: Allowable Gross Weight on a Vehicle with Four Axles (kilograms)

Base length (metres)			Front axle weight (kilograms)									
			5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less than **7,000**	**7,000** to less than **7,500**	**7,500** to less than **8,000**	**8,000** to less than **8,500**	**8,500** to less than **9,000**	**9,000** to less than **9,500**	**9,500** to **10,000**
	Less than	5.00	28,600	28,900	29,100	29,400	29,600	29,800	30,100	30,300	30,500	30,800	31,000
5.00	to less than	5.25	29,100	29,400	29,600	29,900	30,200	30,400	30,700	30,900	31,100	31,400	31,600
5.25	to less than	5.50	29,600	29,900	30,100	30,400	30,700	30,900	31,300	31,500	31,700	32,100	32,300
5.50	to less than	5.75	30,000	30,400	30,600	31,000	31,300	31,500	31,900	32,100	32,400	32,700	33,000
5.75	to less than	6.00	30,500	30,900	31,200	31,500	31,800	32,100	32,400	32,700	33,000	33,300	33,600
6.00	to less than	6.25	31,000	31,400	31,700	32,000	32,400	32,700	33,000	33,300	33,600	34,000	34,300
6.25	to less than	6.50	31,500	31,900	32,200	32,600	32,900	33,200	33,600	33,900	34,300	34,600	34,900
6.50	to less than	6.75	32,000	32,400	32,700	33,100	33,500	33,800	34,200	34,500	34,900	35,200	35,500
6.75	to less than	7.00	32,500	32,900	33,200	33,600	34,000	34,400	34,800	35,100	35,500	35,900	36,200
7.00	to less than	7.25	33,000	33,400	33,700	34,100	34,600	35,000	35,400	35,700	36,100	36,500	36,900
7.25	to less than	7.50	33,300	33,800	34,200	34,600	35,100	35,500	35,900	36,300	36,700	37,200	37,600
7.50	and over		33,300	33,800	34,300	34,800	35,300	35,800	36,300	36,800	37,300	37,800	38,300

Gross Weight Table 3: Allowable Gross Weight on a Vehicle with Five Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance Less than 2.4 metres

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001 to less than 5,500**	**5,500 to less than 6,000**	**6,000 to less than 6,500**	**6,500 to less than 7,000**	**7,000 to less than 7,500**	**7,500 to less than 8,000**	**8,000 to less than 8,500**	**8,500 to less than 9,000**	**9,000 to less than 9,500**	**9,500 to 10,000**
Less than 7.00	30,200	30,600	31,000	31,300	31,700	32,100	32,500	32,900	33,300	33,700	34,100
7.00 to less than 7.25	30,700	31,100	31,500	31,900	32,300	32,700	33,000	33,400	33,800	34,200	34,600
7.25 to less than 7.50	31,200	31,600	32,000	32,400	32,800	33,200	33,600	34,000	34,400	34,800	35,200
7.50 to less than 7.75	31,700	32,100	32,500	32,900	33,300	33,700	34,100	34,500	34,900	35,300	35,700
7.75 to less than 8.00	32,200	32,600	33,000	33,400	33,800	34,200	34,600	35,000	35,400	35,800	36,200
8.00 to less than 8.25	32,700	33,100	33,500	33,900	34,300	34,700	35,200	35,600	36,000	36,400	36,800
8.25 to less than 8.50	33,200	33,600	34,000	34,400	34,900	35,300	35,700	36,100	36,500	36,900	37,300
8.50 to less than 8.75	33,700	34,100	34,500	35,000	35,400	35,800	36,200	36,600	37,000	37,400	37,800
8.75 to less than 9.00	34,200	34,600	35,100	35,500	35,900	36,300	36,700	37,100	37,600	38,000	38,400
9.00 to less than 9.25	34,700	35,100	35,600	36,000	36,400	36,800	37,300	37,700	38,100	38,500	38,900
9.25 to less than 9.50	35,200	35,700	36,100	36,500	36,900	37,400	37,800	38,200	38,600	39,100	39,500
9.50 to less than 9.75	35,700	36,200	36,600	37,000	37,400	37,900	38,300	38,700	39,200	39,600	40,000
9.75 to less than 10.00	36,200	36,700	37,100	37,500	38,000	38,400	38,800	39,300	39,700	40,100	40,500
10.00 to less than 10.25	36,700	37,200	37,600	38,100	38,500	38,900	39,400	39,800	40,200	40,700	41,200
10.25 and over	36,700	37,200	37,700	38,200	38,700	39,200	39,700	40,200	40,700	41,200	41,700

Gross Weight Table 4: Allowable Gross Weight on a Vehicle with Five Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance 2.4 to less than 2.7 metres

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less than **7,000**	**7,000** to less than **7,500**	**7,500** to less than **8,000**	**8,000** to less than **8,500**	**8,500** to less than **9,000**	**9,000** to less than **9,500**	**9,500** to **10,000**
Less than 7.25	31,700	32,100	32,500	32,900	33,200	33,600	34,000	34,400	34,700	35,100	35,500
7.25 to less than 7.50	32,200	32,600	33,000	33,400	33,800	34,100	34,500	34,900	35,300	35,600	36,000
7.50 to less than 7.75	32,700	33,100	33,500	33,900	34,300	34,700	35,100	35,400	35,800	36,200	36,600
7.75 to less than 8.00	33,200	33,600	34,000	34,400	34,800	35,200	35,600	36,000	36,400	36,700	37,100
8.00 to less than 8.25	33,700	34,100	34,500	34,900	35,300	35,700	36,100	36,500	36,900	37,300	37,700
8.25 to less than 8.50	34,200	34,600	35,000	35,400	35,800	36,200	36,600	37,000	37,400	37,800	38,200
8.50 to less than 8.75	34,800	35,200	35,600	36,000	36,400	36,800	37,200	37,600	38,000	38,400	38,800
8.75 to less than 9.00	35,300	35,700	36,100	36,500	36,900	37,300	37,700	38,100	38,500	38,900	39,300
9.00 to less than 9.25	35,800	36,200	36,600	37,000	37,400	37,800	38,200	38,700	39,100	39,500	39,900
9.25 to less than 9.50	36,300	36,700	37,100	37,500	37,900	38,400	38,800	39,200	39,600	40,000	40,400
9.50 to less than 9.75	36,800	37,200	37,600	38,000	38,500	38,900	39,300	39,700	40,200	40,600	41,000
9.75 to less than 10.00	37,300	37,700	38,100	38,600	39,000	39,400	39,800	40,200	40,600	41,000	41,400
10.00 to less than 10.25	37,800	38,200	38,700	39,100	39,500	39,900	40,300	40,700	41,100	41,400	41,800
10.25 to less than 10.50	37,800	38,300	38,800	39,300	39,800	40,300	40,700	41,100	41,500	41,900	42,300
10.50 and over	37,800	38,300	38,800	39,300	39,800	40,300	40,800	41,300	41,800	42,300	42,800

Gross Weight Table 5: Allowable Gross Weight on a Vehicle with Five Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance 2.7 to less than 3.0 metres

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less than **7,000**	**7,000** to less than **7,500**	**7,500** to less than **8,000**	**8,000** to less than **8,500**	**8,500** to less than **9,000**	**9,000** to less than **9,500**	**9,500** to **10,000**
Less than 7.50	33,600	33,900	34,300	34,600	35,000	35,300	35,700	36,000	36,400	36,700	37,100
7.50 to less than 7.75	34,100	34,400	34,800	35,100	35,500	35,800	36,200	36,500	36,900	37,200	37,600
7.75 to less than 8.00	34,500	34,900	35,300	35,600	36,000	36,300	36,700	37,100	37,400	37,800	38,200
8.00 to less than 8.25	35,000	35,400	35,800	36,100	36,500	36,900	37,200	37,600	37,900	38,300	38,700
8.25 to less than 8.50	35,500	35,900	36,300	36,600	37,000	37,400	37,700	38,100	38,500	38,800	39,200
8.50 to less than 8.75	36,000	36,400	36,700	37,100	37,500	37,900	38,200	38,600	39,000	39,400	39,700
8.75 to less than 9.00	36,400	36,800	37,200	37,600	38,000	38,400	38,800	39,100	39,500	39,900	40,300
9.00 to less than 9.25	36,900	37,300	37,700	38,100	38,500	38,900	39,300	39,700	40,000	40,400	40,800
9.25 to less than 9.50	37,400	37,800	38,200	38,600	39,000	39,400	39,800	40,200	40,600	41,000	41,400
9.50 to less than 9.75	37,900	38,300	38,700	39,100	39,500	39,900	40,300	40,700	41,100	41,500	41,900
9.75 to less than 10.00	38,400	38,800	39,200	39,600	40,000	40,400	40,800	41,200	41,600	42,000	42,400
10.00 to less than 10.25	38,900	39,300	39,700	40,100	40,500	40,900	41,300	41,700	42,100	42,500	42,900
10.25 to less than 10.50	39,100	39,600	40,100	40,600	41,000	41,400	41,800	42,300	42,700	43,100	43,600
10.50 and more	39,100	39,600	40,100	40,600	41,100	41,600	42,100	42,600	43,100	43,600	44,100

Gross Weight Table 6: Allowable Gross Weight on a Vehicle with Five Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance 3.0 to less than 3.3 metres

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less than **7,000**	**7,000** to less than **7,500**	**7,500** to less than **8,000**	**8,000** to less than **8,500**	**8,500** to less than **9,000**	**9,000** to less than **9,500**	**9,500** to **10,000**
Less than 8.00	35,200	35,500	35,800	36,100	36,400	36,700	37,100	37,400	37,700	38,000	38,300
8.00 to less than 8.25	35,700	36,000	36,300	36,600	37,000	37,300	37,600	37,900	38,200	38,600	38,900
8.25 to less than 8.50	36,200	36,500	36,800	37,200	37,500	37,800	38,200	38,500	38,800	39,100	39,500
8.50 to less than 8.75	36,700	37,000	37,300	37,700	38,000	38,400	38,700	39,000	39,400	39,700	40,000
8.75 to less than 9.00	37,200	37,500	37,900	38,200	38,600	38,900	39,200	39,600	39,900	40,300	40,700
9.00 to less than 9.25	37,700	38,000	38,400	38,700	39,100	39,400	39,800	40,100	40,500	40,900	41,200
9.25 to less than 9.50	38,100	38,500	38,900	39,200	39,600	40,000	40,300	40,700	41,100	41,400	41,800
9.50 to less than 9.75	38,600	39,000	39,400	39,800	40,100	40,500	40,900	41,300	41,600	42,000	42,400
9.75 to less than 10.00	39,100	39,500	39,900	40,300	40,700	41,000	41,400	41,800	42,200	42,600	43,000
10.00 to less than 10.25	39,600	40,000	40,400	40,800	41,200	41,600	42,000	42,300	42,700	43,100	43,500
10.25 to less than 10.50	40,000	40,500	40,900	41,300	41,700	42,100	42,500	42,900	43,300	43,700	44,100
10.50 to less than 10.75	40,300	40,800	41,300	41,800	42,200	42,600	43,000	43,400	43,800	44,200	44,600
10.75 and over	40,300	40,800	41,300	41,800	42,300	42,800	43,300	43,800	44,300	44,800	45,300

Gross Weight Table 7: Allowable Gross Weight on a Vehicle with Five Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance 3.3 to less than 3.6 metres

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less than **7,000**	**7,000** to less than **7,500**	**7,500** to less than **8,000**	**8,000** to less than **8,500**	**8,500** to less than **9,000**	**9,000** to less than **9,500**	**9,500** to **10,000**
Less than 8.50	37,300	37,600	37,900	38,200	38,500	38,800	39,000	39,300	39,600	39,900	40,200
8.50 to less than 8.75	37,700	38,000	38,300	38,600	38,900	39,200	39,500	39,800	40,100	40,400	40,700
8.75 to less than 9.00	38,100	38,400	38,700	39,000	39,400	39,700	40,000	40,300	40,600	40,900	41,200
9.00 to less than 9.25	38,500	38,800	39,200	39,500	39,800	40,100	40,400	40,800	41,100	41,400	41,700
9.25 to less than 9.50	38,900	39,300	39,600	39,900	40,200	40,600	40,900	41,200	41,600	41,900	42,300
9.50 to less than 9.75	39,300	39,700	40,000	40,300	40,700	41,000	41,400	41,700	42,100	42,400	42,800
9.75 to less than 10.00	39,700	40,100	40,400	40,800	41,100	41,500	41,900	42,200	42,600	42,900	43,300
10.00 to less than 10.25	40,100	40,500	40,800	41,200	41,600	42,000	42,300	42,700	43,100	43,500	43,800
10.25 to less than 10.50	40,400	40,800	41,300	41,700	42,000	42,400	42,800	43,200	43,600	44,000	44,400
10.50 to less than 10.75	40,800	41,200	41,700	42,100	42,500	42,900	43,300	43,700	44,100	44,600	45,000
10.75 and over	40,900	41,400	41,900	42,400	42,900	43,400	43,800	44,200	44,700	45,100	45,500

Gross Weight Table 8: Allowable Gross Weight on a Vehicle with Five Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance 3.6 metres or more

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less than **7,000**	**7,000** to less than **7,500**	**7,500** to less than **8,000**	**8,000** to less than **8,500**	**8,500** to less than **9,000**	**9,000** to less than **9,500**	**9,500** to **10,000**
Less than 8.50	38,200	38,400	38,700	38,900	39,200	39,400	39,700	39,900	40,200	40,400	40,700
8.50 to less than 8.75	38,500	38,800	39,000	39,300	39,600	39,800	40,100	40,400	40,700	40,900	41,200
8.75 to less than 9.00	38,800	39,100	39,400	39,700	40,000	40,300	40,600	40,900	41,200	41,400	41,700
9.00 to less than 9.25	39,100	39,400	39,700	40,000	40,400	40,700	41,000	41,300	41,600	41,900	42,200
9.25 to less than 9.50	39,400	39,800	40,100	40,400	40,800	41,100	41,500	41,800	42,100	42,400	42,700
9.50 to less than 9.75	39,700	40,100	40,400	40,800	41,200	41,600	41,900	42,200	42,600	42,900	43,200
9.75 to less than 10.00	40,000	40,400	40,800	41,200	41,600	42,000	42,400	42,700	43,100	43,400	43,800
10.00 to less than 10.25	40,400	40,800	41,200	41,600	42,000	42,400	42,800	43,200	43,600	43,900	44,300
10.25 to less than 10.50	40,700	41,100	41,500	42,000	42,400	42,800	43,200	43,600	44,000	44,400	44,800
10.50 to less than 10.75	41,000	41,400	41,800	42,400	42,800	43,200	43,700	44,100	44,500	44,900	45,300
10.75 to less than 11.00	41,400	41,800	42,200	42,700	43,200	43,700	44,100	44,600	45,000	45,500	45,900
11.00 to less than 11.25	41,700	42,200	42,600	43,100	43,600	44,100	44,500	45,000	45,500	46,000	46,500
11.25 to less than 11.50	42,000	42,500	43,000	43,500	44,000	44,500	45,000	45,500	46,000	46,500	47,000
11.50 to less than 11.75	42,500	43,000	43,500	44,000	44,500	45,000	45,500	46,000	46,500	47,000	47,500
11.75 and over	43,000	43,500	44,000	44,500	45,000	45,500	46,000	46,500	47,000	47,500	48,000

Gross Weight Table 9: Allowable Gross Weight on a Vehicle with Six Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance less than 2.1 metres

Base length (metres)			Front axle weight (kilograms)										
			5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
	Less than	9.50	35,800	36,100	36,400	36,800	37,100	37,400	37,700	38,100	38,400	38,700	39,000
9.50	to less than	9.75	36,400	36,700	37,000	37,300	37,600	38,000	38,300	38,600	38,900	39,300	39,600
9.75	to less than	10.00	36,900	37,200	37,600	37,900	38,200	38,500	38,900	39,200	39,500	39,800	40,200
10.00	to less than	10.25	37,500	37,800	38,100	38,400	38,800	39,100	39,400	39,700	40,100	40,400	40,800
10.25	to less than	10.50	38,000	38,400	38,700	39,000	39,300	39,700	40,000	40,300	40,600	41,000	41,300
10.50	to less than	10.75	38,600	38,900	39,200	39,600	39,900	40,200	40,500	40,900	41,200	41,500	41,800
10.75	to less than	11.00	39,100	39,500	39,800	40,100	40,500	40,800	41,100	41,400	41,800	42,100	42,400
11.00	to less than	11.25	39,700	40,000	40,400	40,700	41,000	41,300	41,700	42,000	42,300	42,700	43,000
11.25	to less than	11.50	40,300	40,600	40,900	41,300	41,600	41,900	42,200	42,600	42,900	43,200	43,500
11.50	to less than	11.75	40,800	41,200	41,500	41,800	42,100	42,500	42,800	43,100	43,500	43,800	44,100
11.75	to less than	12.00	41,400	41,700	42,000	42,400	42,700	43,000	43,400	43,700	44,000	44,400	44,700
12.00	to less than	12.25	41,900	42,300	42,600	42,900	43,300	43,600	43,900	44,300	44,600	44,900	45,300
12.25	to less than	12.50	42,500	42,800	43,200	43,500	43,800	44,200	44,500	44,800	45,200	45,500	45,800
12.50	to less than	12.75	43,100	43,400	43,700	44,100	44,400	44,700	45,100	45,400	45,700	46,000	46,400
12.75	to less than	13.00	43,600	44,000	44,300	44,600	45,000	45,300	45,600	45,900	46,300	46,600	46,900
13.00	to less than	13.25	44,200	44,500	44,800	45,200	45,500	45,800	46,200	46,500	46,800	47,200	47,500
13.25	to less than	13.50	44,700	45,100	45,400	45,700	46,100	46,400	46,700	47,100	47,400	47,700	48,000
13.50	to less than	13.75	45,300	45,600	46,000	46,300	46,600	47,000	47,300	47,600	48,000	48,300	48,600
13.75	to less than	14.00	45,900	46,200	46,500	46,900	47,200	47,500	47,900	48,200	48,500	48,900	49,200
14.00	to less than	14.25	46,400	46,800	47,100	47,400	47,800	48,100	48,400	48,800	49,100	49,400	49,700
14.25	to less than	14.50	47,000	47,300	47,600	48,000	48,300	48,700	49,000	49,300	49,700	50,000	50,300
14.50	to less than	14.75	47,500	47,900	48,200	48,500	48,900	49,200	49,600	49,900	50,200	50,600	50,900
14.75	to less than	15.00	48,200	48,500	48,800	49,200	49,500	49,800	50,200	50,500	50,900	51,200	51,500
15.00	and over		48,500	49,000	49,300	49,700	50,000	50,300	50,700	51,000	51,400	51,700	52,000

Gross Weight Table 10: Allowable Gross Weight on a Vehicle with Six Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance 2.1 to less than 2.4 metres

Base length (metres)			Front axle weight (kilograms)										
			5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
	Less than	9.50	37,000	37,300	37,600	37,900	38,200	38,500	38,900	39,200	39,500	39,800	40,100
9.50	to less than	9.75	37,500	37,800	38,100	38,500	38,800	39,100	39,400	39,700	40,000	40,400	40,700
9.75	to less than	10.00	38,100	38,400	38,700	39,000	39,300	39,600	40,000	40,300	40,600	40,900	41,200
10.00	to less than	10.25	38,600	38,900	39,200	39,600	39,900	40,200	40,500	40,800	41,200	41,500	41,800
10.25	to less than	10.50	39,200	39,500	39,800	40,100	40,400	40,800	41,100	41,400	41,700	42,000	42,300
10.50	to less than	10.75	39,700	40,000	40,400	40,700	41,000	41,300	41,600	41,900	42,300	42,600	42,900
10.75	to less than	11.00	40,300	40,600	40,900	41,200	41,500	41,900	42,200	42,500	42,800	43,100	43,400
11.00	to less than	11.25	40,800	41,100	41,500	41,800	42,100	42,400	42,700	43,100	43,400	43,700	44,100
11.25	to less than	11.50	41,400	41,700	42,000	42,300	42,600	43,000	43,300	43,600	43,900	44,300	44,600
11.50	to less than	11.75	41,900	42,200	42,600	42,900	43,200	43,500	43,800	44,200	44,500	44,800	45,100
11.75	to less than	12.00	42,500	42,800	43,100	43,400	43,800	44,100	44,400	44,700	45,000	45,400	45,700
12.00	to less than	12.25	43,000	43,300	43,700	44,000	44,300	44,600	45,000	45,300	45,600	45,900	46,200
12.25	to less than	12.50	43,600	43,900	44,200	44,500	44,900	45,200	45,500	45,800	46,200	46,500	46,800
12.50	to less than	12.75	44,100	44,400	44,800	45,100	45,400	45,700	46,100	46,400	46,700	47,000	47,300
12.75	to less than	13.00	44,700	45,000	45,300	45,600	46,000	46,300	46,600	46,900	47,300	47,600	47,900
13.00	to less than	13.25	45,200	45,500	45,900	46,200	46,500	46,800	47,200	47,500	47,800	48,100	48,400
13.25	to less than	13.50	45,800	46,100	46,400	46,700	47,100	47,400	47,700	48,100	48,400	48,700	49,000
13.50	to less than	13.75	46,300	46,600	47,000	47,300	47,600	48,000	48,300	48,600	48,900	49,300	49,600
13.75	to less than	14.00	46,900	47,200	47,500	47,900	48,200	48,500	48,800	49,200	49,500	49,800	50,200
14.00	to less than	14.25	47,400	47,700	48,100	48,400	48,700	49,100	49,400	49,700	50,000	50,400	50,700
14.25	to less than	14.50	48,000	48,300	48,600	49,000	49,300	49,600	49,900	50,300	50,600	50,900	51,300
14.50	to less than	14.75	48,500	48,900	49,200	49,500	49,800	50,200	50,500	50,800	51,200	51,500	51,800
14.75	to less than	15.00	49,100	49,400	49,700	50,100	50,400	50,700	51,100	51,400	51,700	52,000	52,400
15.00	and over		49,400	49,900	50,300	50,700	51,000	51,300	51,600	52,000	52,300	52,600	53,000

Gross Weight Table 11: Allowable Gross Weight on a Vehicle with Six Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance 2.4 to less than 2.7 metres

Base length (metres)			Front axle weight (kilograms)									
			5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
	Less than	9.50	37,900	38,200	38,500	38,700	39,000	39,300	39,600	39,900	40,200	40,500	40,700
9.50	to less than	9.75	38,400	38,700	39,000	39,300	39,600	39,900	40,200	40,500	40,800	41,100	41,400
9.75	to less than	10.00	39,000	39,300	39,600	39,900	40,100	40,400	40,700	41,000	41,300	41,600	41,900
10.00	to less than	10.25	39,500	39,800	40,100	40,400	40,700	41,000	41,300	41,600	41,900	42,200	42,500
10.25	to less than	10.50	40,100	40,400	40,700	41,000	41,300	41,600	41,900	42,200	42,500	42,800	43,100
10.50	to less than	10.75	40,600	40,900	41,200	41,500	41,800	42,100	42,400	42,700	43,000	43,300	43,600
10.75	to less than	11.00	41,200	41,500	41,800	42,100	42,400	42,700	43,000	43,300	43,600	43,900	44,200
11.00	to less than	11.25	41,700	42,000	42,300	42,600	42,900	43,200	43,500	43,800	44,200	44,500	44,800
11.25	to less than	11.50	42,200	42,600	42,900	43,200	43,500	43,800	44,100	44,400	44,700	45,000	45,300
11.50	to less than	11.75	42,800	43,100	43,400	43,700	44,000	44,300	44,700	45,000	45,300	45,600	45,900
11.75	to less than	12.00	43,300	43,700	44,000	44,300	44,600	44,900	45,200	45,500	45,800	46,200	46,500
12.00	to less than	12.25	43,900	44,200	44,500	44,800	45,100	45,500	45,800	46,100	46,400	46,700	47,100
12.25	to less than	12.50	44,400	44,800	45,100	45,400	45,700	46,000	46,300	46,600	47,000	47,300	47,600
12.50	to less than	12.75	45,000	45,300	45,600	45,900	46,300	46,600	46,900	47,200	47,500	47,800	48,100
12.75	to less than	13.00	45,500	45,800	46,200	46,500	46,800	47,100	47,500	47,800	48,100	48,400	48,700
13.00	to less than	13.25	46,100	46,400	46,700	47,000	47,400	47,700	48,000	48,300	48,700	49,000	49,400
13.25	to less than	13.50	46,600	46,900	47,300	47,600	47,900	48,200	48,600	48,900	49,200	49,500	49,800
13.50	to less than	13.75	47,200	47,500	47,800	48,200	48,500	48,800	49,100	49,500	49,800	50,100	50,500
13.75	to less than	14.00	47,700	48,000	48,400	48,700	49,000	49,400	49,700	50,000	50,300	50,700	51,000
14.00	to less than	14.25	48,300	48,600	48,900	49,300	49,600	49,900	50,200	50,600	50,900	51,200	51,600
14.25	to less than	14.50	48,800	49,100	49,500	49,800	50,100	50,500	50,800	51,100	51,500	51,800	52,100
14.50	to less than	14.75	49,400	49,700	50,000	50,400	50,700	51,000	51,400	51,700	52,000	52,400	52,700
14.75	to less than	15.00	49,900	50,200	50,600	50,900	51,300	51,600	51,900	52,300	52,600	52,900	53,300
15.00	and over		50,300	50,800	51,200	51,500	51,800	52,200	52,500	52,800	53,200	53,500	53,800

Gross Weight Table 12: Allowable Gross Weight on a Vehicle with Six Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance 2.7 to less than 3.0 metres

Base length (metres)			Front axle weight (kilograms)										
			5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
	Less than	9.50	38,500	38,800	39,100	39,400	39,700	40,000	40,200	40,500	40,800	41,100	41,400
9.50	to less than	9.75	39,100	39,400	39,700	39,900	40,200	40,500	40,800	41,100	41,400	41,700	41,900
9.75	to less than	10.00	39,600	39,900	40,200	40,500	40,800	41,100	41,400	41,700	42,000	42,200	42,500
10.00	to less than	10.25	40,200	40,500	40,800	41,100	41,400	41,600	41,900	42,200	42,500	42,800	43,100
10.25	to less than	10.50	40,700	41,000	41,300	41,600	41,900	42,200	42,500	42,800	43,100	43,400	43,700
10.50	to less than	10.75	41,300	41,600	41,900	42,200	42,500	42,800	43,100	43,400	43,700	43,900	44,200
10.75	to less than	11.00	41,800	42,100	42,400	42,700	43,000	43,300	43,600	43,900	44,200	44,500	44,800
11.00	to less than	11.25	42,400	42,700	43,000	43,300	43,600	43,900	44,200	44,500	44,800	45,100	45,400
11.25	to less than	11.50	43,000	43,300	43,600	43,900	44,200	44,500	44,800	45,100	45,400	45,700	46,000
11.50	to less than	11.75	43,500	43,800	44,100	44,400	44,700	45,000	45,300	45,600	45,900	46,200	46,500
11.75	to less than	12.00	44,100	44,400	44,700	45,000	45,300	45,600	45,900	46,200	46,500	46,800	47,100
12.00	to less than	12.25	44,600	44,900	45,200	45,500	45,800	46,100	46,400	46,800	47,100	47,400	47,800
12.25	to less than	12.50	45,200	45,500	45,800	46,100	46,400	46,700	47,000	47,300	47,600	47,900	48,200
12.50	to less than	12.75	45,700	46,000	46,300	46,600	47,000	47,300	47,600	47,900	48,200	48,500	48,800
12.75	to less than	13.00	46,300	46,600	46,900	47,200	47,500	47,800	48,100	48,400	48,800	49,100	49,400
13.00	to less than	13.25	46,800	47,100	47,400	47,800	48,100	48,400	48,700	49,000	49,300	49,600	49,900
13.25	to less than	13.50	47,400	47,700	48,000	48,300	48,600	48,900	49,300	49,600	49,900	50,200	50,500
13.50	to less than	13.75	47,900	48,200	48,600	48,900	49,200	49,500	49,800	50,100	50,500	50,800	51,100
13.75	to less than	14.00	48,500	48,800	49,100	49,400	49,700	50,100	50,400	50,700	51,000	51,400	51,700
14.00	to less than	14.25	49,000	49,300	49,700	50,000	50,300	50,600	51,000	51,300	51,600	51,900	52,300
14.25	to less than	14.50	49,600	49,900	50,200	50,500	50,900	51,200	51,500	51,800	52,200	52,500	52,800
14.50	to less than	14.75	50,100	50,400	50,800	51,100	51,400	51,800	52,100	52,400	52,700	53,100	53,400
14.75	to less than	15.00	50,700	51,000	51,300	51,700	52,000	52,300	52,600	53,000	53,300	53,600	54,000
15.00	and over		51,200	51,500	51,800	52,200	52,500	52,800	53,200	53,500	53,900	54,200	54,500

Gross Weight Table 13: Allowable Gross Weight on a Vehicle with Six Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance 3.0 to less than 3.3 metres

Base length (metres)			Front axle weight (kilograms)										
			5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
	Less than	9.50	39,200	39,500	39,700	40,000	40,300	40,600	40,900	41,200	41,500	41,800	42,100
9.50	to less than	9.75	39,700	40,000	40,300	40,600	40,900	41,200	41,500	41,800	42,100	42,400	42,700
9.75	to less than	10.00	40,300	40,600	40,800	41,100	41,400	41,700	42,000	42,300	42,600	42,900	43,200
10.00	to less than	10.25	40,800	41,100	41,400	41,700	42,000	42,300	42,600	42,900	43,200	43,500	43,800
10.25	to less than	10.50	41,400	41,700	41,900	42,200	42,500	42,800	43,200	43,500	43,800	44,100	44,400
10.50	to less than	10.75	41,900	42,200	42,500	42,800	43,100	43,400	43,700	44,000	44,300	44,600	44,900
10.75	to less than	11.00	42,400	42,800	43,000	43,300	43,700	44,000	44,300	44,600	44,900	45,200	45,500
11.00	to less than	11.25	43,000	43,300	43,600	43,900	44,200	44,500	44,900	45,200	45,500	45,800	46,100
11.25	to less than	11.50	43,500	43,900	44,200	44,500	44,800	45,100	45,400	45,700	46,000	46,300	46,600
11.50	to less than	11.75	44,100	44,400	44,700	45,000	45,300	45,600	46,000	46,300	46,600	46,900	47,200
11.75	to less than	12.00	44,600	45,000	45,300	45,600	45,900	46,200	46,600	46,900	47,200	47,500	47,800
12.00	to less than	12.25	45,200	45,500	45,800	46,100	46,500	46,800	47,100	47,400	47,800	48,100	48,400
12.25	to less than	12.50	45,700	46,100	46,400	46,700	47,000	47,300	47,700	48,000	48,300	48,600	48,900
12.50	to less than	12.75	46,300	46,600	46,900	47,200	47,600	47,900	48,300	48,600	48,900	49,200	49,500
12.75	to less than	13.00	46,800	47,200	47,500	47,800	48,100	48,400	48,800	49,100	49,500	49,800	50,100
13.00	to less than	13.25	47,400	47,700	48,100	48,400	48,700	49,000	49,400	49,700	50,000	50,300	50,600
13.25	to less than	13.50	47,900	48,300	48,600	48,900	49,300	49,600	50,000	50,300	50,600	50,900	51,200
13.50	to less than	13.75	48,500	48,800	49,200	49,500	49,800	50,100	50,500	50,800	51,100	51,400	51,700
13.75	to less than	14.00	49,000	49,400	49,700	50,000	50,400	50,700	51,100	51,400	51,700	52,000	52,300
14.00	to less than	14.25	49,600	49,900	50,300	50,600	50,900	51,200	51,700	52,000	52,300	52,600	52,900
14.25	to less than	14.50	50,100	50,500	50,800	51,100	51,500	51,800	52,200	52,500	52,900	53,200	53,500
14.50	to less than	14.75	50,700	51,000	51,400	51,700	52,100	52,400	52,800	53,100	53,500	53,800	54,100
14.75	to less than	15.00	51,200	51,600	52,000	52,300	52,600	52,900	53,400	53,700	54,100	54,400	54,700
15.00	and over		51,700	52,100	52,500	52,800	53,200	53,500	53,900	54,200	54,600	54,900	55,200

Gross Weight Table 14: Allowable Gross Weight on a Vehicle with Six Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance 3.3 to less than 3.6 metres

Base length (metres)			Front axle weight (kilograms)									
			5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
	Less than	9.50	39,800	40,100	40,400	40,600	40,900	41,200	41,500	41,700	42,000	42,300	42,600
9.50	to less than	9.75	40,400	40,600	40,900	41,200	41,500	41,800	42,000	42,300	42,600	42,900	43,200
9.75	to less than	10.00	40,900	41,200	41,500	41,800	42,000	42,300	42,600	42,900	43,200	43,400	43,700
10.00	to less than	10.25	41,500	41,800	42,000	42,300	42,600	42,900	43,200	43,500	43,700	44,000	44,300
10.25	to less than	10.50	42,000	42,300	42,600	42,900	43,200	43,500	43,700	44,000	44,300	44,600	44,900
10.50	to less than	10.75	42,600	42,900	43,100	43,400	43,700	44,000	44,300	44,600	44,900	45,200	45,500
10.75	to less than	11.00	43,100	43,400	43,700	44,000	44,300	44,600	44,900	45,200	45,500	45,700	46,000
11.00	to less than	11.25	43,700	44,000	44,300	44,600	44,900	45,100	45,400	45,700	46,000	46,300	46,600
11.25	to less than	11.50	44,200	44,500	44,800	45,100	45,400	45,700	46,000	46,300	46,600	46,900	47,200
11.50	to less than	11.75	44,800	45,100	45,400	45,700	46,000	46,300	46,600	46,900	47,200	47,500	47,800
11.75	to less than	12.00	45,300	45,600	45,900	46,200	46,500	46,800	47,100	47,400	47,700	48,000	48,300
12.00	to less than	12.25	45,900	46,200	46,500	46,800	47,100	47,400	47,700	48,000	48,300	48,600	48,900
12.25	to less than	12.50	46,400	46,700	47,100	47,400	47,700	48,000	48,300	48,600	48,900	49,200	49,500
12.50	to less than	12.75	47,000	47,300	47,600	47,900	48,200	48,500	48,800	49,100	49,500	49,800	50,100
12.75	to less than	13.00	47,500	47,900	48,200	48,500	48,800	49,100	49,400	49,700	50,000	50,300	50,600
13.00	to less than	13.25	48,100	48,400	48,700	49,000	49,300	49,700	50,000	50,300	50,600	50,900	51,200
13.25	to less than	13.50	48,700	49,000	49,300	49,600	49,900	50,200	50,500	50,900	51,200	51,500	51,900
13.50	to less than	13.75	49,200	49,500	49,800	50,200	50,500	50,800	51,100	51,400	51,700	52,100	52,400
13.75	to less than	14.00	49,800	50,100	50,400	50,700	51,000	51,400	51,700	52,000	52,300	52,600	52,900
14.00	to less than	14.25	50,300	50,600	51,000	51,300	51,600	51,900	52,200	52,600	52,900	53,200	53,600
14.25	to less than	14.50	50,900	51,200	51,500	51,800	52,200	52,500	52,800	53,100	53,500	53,800	54,200
14.50	to less than	14.75	51,400	51,700	52,100	52,400	52,700	53,000	53,400	53,700	54,000	54,400	54,700
14.75	to less than	15.00	52,000	52,300	52,600	53,000	53,300	53,600	53,900	54,300	54,600	54,900	55,300
15.00	and over		52,000	52,500	53,000	53,300	53,600	54,000	54,300	54,600	55,000	55,300	55,600

Gross Weight Table 15: Allowable Gross Weight on a Vehicle with Six Axles (kilograms)
Inter (or Intra)-Vehicle-Unit Distance 3.6 metres or more

Base length (metres)			Front axle weight (kilograms)										
			5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
	Less than	9.50	40,400	40,700	40,900	41,200	41,400	41,700	41,900	42,200	42,400	42,700	42,900
9.50	to less than	9.75	41,000	41,200	41,500	41,700	42,000	42,300	42,500	42,800	43,000	43,300	43,500
9.75	to less than	10.00	41,500	41,800	42,000	42,300	42,600	42,800	43,100	43,300	43,600	43,900	44,100
10.00	to less than	10.25	42,100	42,300	42,600	42,900	43,100	43,400	43,700	43,900	44,200	44,400	44,700
10.25	to less than	10.50	42,600	42,900	43,200	43,400	43,700	44,000	44,200	44,500	44,800	45,000	45,300
10.50	to less than	10.75	43,200	43,400	43,700	44,000	44,300	44,500	44,800	45,100	45,300	45,600	45,900
10.75	to less than	11.00	43,700	44,000	44,300	44,600	44,800	45,100	45,400	45,600	45,900	46,200	46,500
11.00	to less than	11.25	44,300	44,600	44,800	45,100	45,400	45,700	45,900	46,200	46,500	46,800	47,100
11.25	to less than	11.50	44,800	45,100	45,400	45,700	46,000	46,200	46,500	46,800	47,100	47,400	47,700
11.50	to less than	11.75	45,400	45,700	46,000	46,200	46,500	46,800	47,100	47,400	47,700	47,900	48,200
11.75	to less than	12.00	45,900	46,200	46,500	46,800	47,100	47,400	47,700	48,000	48,200	48,500	48,800
12.00	to less than	12.25	46,500	46,800	47,100	47,400	47,700	47,900	48,200	48,500	48,800	49,100	49,400
12.25	to less than	12.50	47,000	47,300	47,600	47,900	48,200	48,500	48,800	49,100	49,400	49,700	50,000
12.50	to less than	12.75	47,600	47,900	48,200	48,500	48,800	49,100	49,400	49,700	50,000	50,300	50,600
12.75	to less than	13.00	48,200	48,500	48,800	49,100	49,400	49,700	50,000	50,300	50,600	50,900	51,200
13.00	to less than	13.25	48,700	49,000	49,300	49,600	49,900	50,200	50,500	50,800	51,100	51,400	51,700
13.25	to less than	13.50	49,300	49,600	49,900	50,200	50,500	50,800	51,100	51,400	51,700	52,000	52,300
13.50	to less than	13.75	49,800	50,100	50,400	50,700	51,100	51,400	51,700	52,000	52,300	52,600	52,900
13.75	to less than	14.00	50,400	50,700	51,000	51,300	51,600	51,900	52,200	52,600	52,900	53,200	53,600
14.00	to less than	14.25	50,900	51,200	51,500	51,900	52,200	52,500	52,800	53,100	53,500	53,800	54,100
14.25	to less than	14.50	51,500	51,800	52,100	52,400	52,700	53,100	53,400	53,700	54,000	54,400	54,700
14.50	to less than	14.75	52,000	52,300	52,700	53,000	53,300	53,600	54,000	54,300	54,600	54,900	55,300
14.75	to less than	15.00	52,000	52,500	53,000	53,500	53,900	54,200	54,500	54,900	55,200	55,500	55,800
15.00	and over		52,000	52,500	53,000	53,500	54,000	54,500	55,000	55,300	55,600	56,000	56,300

Gross Weight Table 16: Allowable Gross Weight on a Vehicle with Seven Axles (kilograms)
Single Unit Vehicle, or Inter-Vehicle-Unit Distance less than 2.1 metres

Base length (metres)			Front axle weight (kilograms)										
			5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
	Less than	13.50	45,500	46,000	46,500	47,000	47,500	48,000	48,400	48,900	49,400	49,900	50,400
13.50	to less than	13.75	46,000	46,400	46,900	47,400	47,900	48,400	48,800	49,300	49,600	50,300	50,800
13.75	to less than	14.00	46,400	46,900	47,300	47,800	48,300	48,800	49,200	49,700	50,200	50,700	51,200
14.00	to less than	14.25	46,900	47,300	47,800	48,200	48,700	49,200	49,600	50,100	50,600	51,000	51,500
14.25	to less than	14.50	47,400	47,800	48,200	48,600	49,100	49,600	50,000	50,500	51,000	51,400	51,900
14.50	to less than	14.75	47,800	48,200	48,600	49,100	49,500	50,000	50,400	50,900	51,300	51,800	52,200
14.75	to less than	15.00	48,300	48,600	49,000	49,500	49,900	50,400	50,800	51,300	51,700	52,200	52,600
15.00	to less than	15.25	48,700	49,100	49,400	49,900	50,300	50,800	51,200	51,700	52,100	52,600	53,000
15.25	to less than	15.50	49,200	49,500	49,900	50,300	50,700	51,200	51,600	52,100	52,500	52,900	53,300
15.50	to less than	15.75	49,700	50,000	50,300	50,700	51,100	51,600	52,000	52,500	52,900	53,300	53,700
15.75	to less than	16.00	50,100	50,400	50,700	51,100	51,600	52,000	52,400	52,800	53,300	53,700	54,100
16.00	to less than	16.25	50,600	50,800	51,100	51,600	52,000	52,400	52,800	53,300	53,700	54,100	54,600
16.25	to less than	16.50	51,000	51,300	51,600	52,000	52,400	52,800	53,200	53,700	54,100	54,500	55,000
16.50	to less than	16.75	51,400	51,700	52,000	52,400	52,800	53,200	53,700	54,100	54,500	54,900	55,400
16.75	to less than	17.00	51,800	52,100	52,400	52,800	53,200	53,700	54,100	54,500	54,900	55,300	55,800
17.00	to less than	17.25	52,200	52,500	52,800	53,300	53,700	54,100	54,500	54,900	55,300	55,700	56,200
17.25	to less than	17.50	52,700	53,000	53,300	53,700	54,100	54,500	54,900	55,300	55,700	56,200	56,600
17.50	to less than	17.75	53,100	53,400	53,700	54,100	54,500	54,900	55,300	55,700	56,200	56,600	57,000
17.75	to less than	18.00	53,500	53,800	54,100	54,500	54,900	55,300	55,700	56,200	56,600	57,000	57,400
18.00	to less than	18.25	53,900	54,200	54,500	55,000	55,400	55,800	56,200	56,600	57,000	57,400	57,800
18.25	to less than	18.50	54,300	54,700	55,000	55,400	55,800	56,200	56,600	57,000	57,400	57,800	58,200
18.50	to less than	18.75	54,800	55,100	55,400	55,800	56,200	56,600	57,000	57,400	57,800	58,200	58,600
18.75	to less than	19.00	55,200	55,500	55,900	56,200	56,600	57,000	57,400	57,800	58,200	58,600	59,000
19.00	to less than	19.25	55,600	55,900	56,300	56,600	57,000	57,400	57,800	58,200	58,600	59,000	59,400
19.25	and over		56,000	56,300	56,700	57,000	57,400	57,800	58,200	58,600	59,000	59,400	59,800

Gross Weight Table 17: Allowable Gross Weight on a Vehicle with Seven Axles (kilograms)
Inter-Vehicle-Unit Distance 2.1 to less than 2.4 metres

Base length (metres)			Front axle weight (kilograms)										
			5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
	Less than	13.50	46,500	47,000	47,500	47,900	48,400	48,800	49,200	49,600	50,100	50,500	50,900
13.50	to less than	13.75	46,900	47,400	47,900	48,300	48,800	49,200	49,600	50,100	50,500	50,900	51,300
13.75	to less than	14.00	47,300	47,800	48,300	48,700	49,200	49,600	50,000	50,500	50,900	51,300	51,700
14.00	to less than	14.25	47,800	48,200	48,700	49,200	49,600	50,000	50,400	50,900	51,300	51,700	52,100
14.25	to less than	14.50	48,200	48,700	49,100	49,600	50,000	50,400	50,900	51,300	51,700	52,100	52,500
14.50	to less than	14.75	48,600	49,100	49,500	50,000	50,400	50,800	51,300	51,700	52,100	52,500	53,000
14.75	to less than	15.00	49,100	49,500	50,000	50,400	50,800	51,200	51,700	52,100	52,500	53,000	53,400
15.00	to less than	15.25	49,500	49,900	50,400	50,800	51,200	51,700	52,100	52,500	52,900	53,400	53,800
15.25	to less than	15.50	49,900	50,400	50,800	51,200	51,600	52,100	52,500	52,900	53,400	53,800	54,200
15.50	to less than	15.75	50,400	50,800	51,200	51,600	52,000	52,500	52,900	53,300	53,800	54,200	54,600
15.75	to less than	16.00	50,800	51,200	51,600	52,000	52,500	52,900	53,300	53,700	54,200	54,600	55,000
16.00	to less than	16.25	51,300	51,700	52,100	52,500	52,900	53,300	53,700	54,200	54,600	55,000	55,400
16.25	to less than	16.50	51,700	52,100	52,500	52,900	53,300	53,800	54,200	54,600	55,000	55,400	55,900
16.50	to less than	16.75	52,200	52,600	53,000	53,400	53,800	54,200	54,600	55,000	55,400	55,800	56,300
16.75	to less than	17.00	52,600	53,000	53,400	53,800	54,200	54,600	55,000	55,400	55,800	56,200	56,700
17.00	to less than	17.25	53,100	53,500	53,900	54,300	54,700	55,100	55,500	55,900	56,200	56,600	57,100
17.25	to less than	17.50	53,600	53,900	54,300	54,700	55,100	55,500	55,900	56,300	56,700	57,100	57,500
17.50	to less than	17.75	54,000	54,400	54,800	55,200	55,500	55,900	56,300	56,700	57,100	57,500	57,900
17.75	to less than	18.00	54,500	54,900	55,200	55,600	56,000	56,400	56,700	57,100	57,500	57,900	58,300
18.00	to less than	18.25	54,900	55,300	55,700	56,100	56,400	56,800	57,200	57,500	57,900	58,300	58,700
18.25	to less than	18.50	55,400	55,800	56,100	56,500	56,900	57,200	57,600	58,000	58,300	58,700	59,100
18.50	to less than	18.75	55,900	56,200	56,600	57,000	57,300	57,700	58,000	58,400	58,700	59,100	59,400
18.75	to less than	19.00	56,400	56,700	57,000	57,400	57,700	58,100	58,400	58,800	59,100	59,500	59,900
19.00	to less than	19.25	56,900	57,200	57,500	57,800	58,200	58,500	58,800	59,200	59,500	59,900	60,300
19.25	and over		57,300	57,600	57,900	58,200	58,600	58,900	59,200	59,600	59,900	60,300	60,700

Gross Weight Table 18: Allowable Gross Weight on a Vehicle with Seven Axles (kilograms)
Inter-Vehicle-Unit Distance 2.4 to less than 2.7 metres

Base length (metres)			Front axle weight (kilograms)										
			5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
	Less than	13.50	47,300	47,800	48,300	48,800	49,200	49,700	50,100	50,600	51,000	51,500	51,900
13.50	to less than	13.75	47,700	48,200	48,700	49,200	49,600	50,100	50,500	51,000	51,400	51,900	52,300
13.75	to less than	14.00	48,200	48,600	49,100	49,600	50,000	50,500	50,900	51,400	51,800	52,300	52,700
14.00	to less than	14.25	48,600	49,100	49,500	50,000	50,400	50,900	51,300	51,800	52,200	52,700	53,100
14.25	to less than	14.50	49,000	49,500	49,900	50,400	50,800	51,300	51,700	52,200	52,600	53,100	53,500
14.50	to less than	14.75	49,400	49,900	50,300	50,800	51,200	51,700	52,100	52,600	53,000	53,500	53,900
14.75	to less than	15.00	49,900	50,300	50,800	51,200	51,700	52,100	52,600	53,000	53,500	53,900	54,300
15.00	to less than	15.25	50,300	50,700	51,200	51,600	52,100	52,500	53,000	53,400	53,900	54,300	54,800
15.25	to less than	15.50	50,700	51,100	51,600	52,000	52,500	52,900	53,400	53,800	54,300	54,700	55,200
15.50	to less than	15.75	51,100	51,600	52,000	52,400	52,900	53,300	53,800	54,200	54,700	55,100	55,600
15.75	to less than	16.00	51,600	52,000	52,400	52,800	53,300	53,700	54,200	54,600	55,100	55,500	56,000
16.00	to less than	16.25	52,000	52,400	52,800	53,300	53,700	54,100	54,600	55,000	55,500	55,900	54,600
16.25	to less than	16.50	52,500	52,900	53,300	53,700	54,100	54,600	55,000	55,400	55,900	56,300	56,700
16.50	to less than	16.75	52,900	53,300	53,700	54,100	54,600	55,000	55,400	55,900	56,300	56,700	57,100
16.75	to less than	17.00	53,400	53,700	54,100	54,500	55,000	55,400	55,800	56,300	56,700	57,100	57,500
17.00	to less than	17.25	53,800	54,200	54,500	55,000	55,400	55,800	56,300	56,700	57,100	57,500	58,000
17.25	to less than	17.50	54,300	54,600	55,000	55,400	55,800	56,200	56,700	57,100	57,500	58,000	58,400
17.50	to less than	17.75	54,700	55,000	55,400	55,800	56,200	56,700	57,100	57,500	57,900	58,400	58,800
17.75	to less than	18.00	55,200	55,500	55,800	56,200	56,700	57,100	57,500	57,900	58,400	58,800	59,300
18.00	to less than	18.25	55,600	55,900	56,200	56,700	57,100	57,500	57,900	58,300	58,800	59,200	59,600
18.25	to less than	18.50	56,100	56,400	56,700	57,100	57,500	57,900	58,300	58,800	59,200	59,600	60,000
18.50	to less than	18.75	56,500	56,800	57,100	57,500	57,900	58,300	58,800	59,200	59,600	60,000	60,400
18.75	to less than	19.00	57,000	57,300	57,500	57,900	58,300	58,800	59,200	59,600	60,000	60,400	60,800
19.00	to less than	19.25	57,400	57,700	57,900	58,300	58,800	59,200	59,600	60,000	60,400	60,800	61,200
19.25	and over		57,900	58,100	58,300	58,700	59,100	59,600	60,000	60,400	60,800	61,200	61,600

Gross Weight Table 19: Allowable Gross Weight on a Vehicle with Seven Axles (kilograms)
Inter-Vehicle-Unit Distance 2.7 to less than 3.0 metres

Base length (metres)			Front axle weight (kilograms)										
			5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
	Less than	14.00	48,700	49,200	49,600	50,000	50,500	50,900	51,300	51,700	52,200	52,600	53,000
14.00	to less than	14.25	49,200	49,600	50,100	50,500	50,900	51,300	51,800	52,200	52,600	53,000	53,500
14.25	to less than	14.50	49,700	50,100	50,500	50,900	51,400	51,800	52,200	52,600	53,100	53,500	53,900
14.50	to less than	14.75	50,100	50,600	51,000	51,400	51,800	52,300	52,700	53,100	53,500	53,900	54,300
14.75	to less than	15.00	50,600	51,000	51,400	51,900	52,300	52,700	53,100	53,600	54,000	54,400	54,800
15.00	to less than	15.25	51,100	51,500	51,900	52,300	52,800	53,200	53,600	54,000	54,400	54,800	55,300
15.25	to less than	15.50	51,500	52,000	52,400	52,800	53,200	53,600	54,000	54,500	54,900	55,300	55,700
15.50	to less than	15.75	52,000	52,400	52,800	53,300	53,700	54,100	54,500	54,900	55,300	55,700	56,100
15.75	to less than	16.00	52,500	52,900	53,300	53,700	54,100	54,500	55,000	55,400	55,800	56,20	56,600
16.00	to less than	16.25	52,900	53,300	53,700	54,100	54,500	54,900	55,400	55,800	56,200	56,6	57,000
16.25	to less than	16.50	53,300	53,700	54,100	54,500	54,900	55,300	55,800	56,200	56,600	57,000	57,400
16.50	to less than	16.75	53,700	54,100	54,500	54,900	55,300	55,700	56,200	56,600	57,000	57,400	57,800
16.75	to less than	17.00	54,100	54,500	54,900	55,300	55,700	56,100	56,600	57,000	57,400	57,800	58,200
17.00	to less than	17.25	54,600	54,900	55,300	55,700	56,100	56,500	57,000	57,400	57,800	58,200	58,700
17.25	to less than	17.50	55,000	55,300	55,600	56,100	56,500	56,900	57,400	57,800	58,200	58,700	59,100
17.50	to less than	17.75	55,400	55,700	56,000	56,500	56,900	57,300	57,800	58,200	58,600	59,100	59,500
17.75	to less than	18.00	55,800	56,100	56,400	56,900	57,300	57,700	58,200	58,600	59,000	59,500	59,900
18.00	to less than	18.25	56,200	56,500	56,800	57,300	57,700	58,100	58,600	59,000	59,400	59,900	60,300
18.25	to less than	18.50	56,600	56,900	57,200	57,600	58,100	58,500	59,000	59,400	59,900	60,300	60,700
18.50	to less than	18.75	57,100	57,300	57,600	58,000	58,500	58,900	59,400	59,800	60,300	60,700	61,200
18.75	to less than	19.00	57,500	57,700	58,000	58,400	58,900	59,300	59,800	60,200	60,700	61,100	61,600
19.00	to less than	19.25	57,900	58,100	58,400	58,800	59,300	59,700	60,200	60,600	61,000	61,500	62,000
19.25	and over		58,300	58,500	58,800	59,200	59,700	60,100	60,600	61,000	61,500	61,900	62,400

Gross Weight Table 20: Allowable Gross Weight on a Vehicle with Seven Axles (kilograms)
Inter-Vehicle-Unit Distance 3.0 to less than 3.3 metres

Base length (metres)			Front axle weight (kilograms)										
			5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
	Less than	14.00	49,300	49,700	50,200	50,700	51,100	51,600	52,000	52,500	52,900	53,400	53,800
14.00	to less than	14.25	49,700	50,100	50,600	51,000	51,500	52,000	52,400	52,900	53,400	53,800	54,300
14.25	to less than	14.50	50,100	50,500	51,000	51,400	51,900	52,400	52,800	53,300	53,800	54,200	54,700
14.50	to less than	14.75	50,500	51,000	51,400	51,800	52,300	52,800	53,200	53,700	54,200	54,600	55,100
14.75	to less than	15.00	51,000	51,400	51,700	52,200	52,700	53,200	53,600	54,100	54,600	55,000	55,600
15.00	to less than	15.25	51,400	51,800	52,100	52,600	53,100	53,600	54,000	54,500	55,000	55,500	56,000
15.25	to less than	15.50	51,800	52,200	52,500	53,000	53,500	54,000	54,400	54,900	55,400	55,900	56,400
15.50	to less than	15.75	52,200	52,600	52,900	53,400	53,900	54,400	54,900	55,300	55,800	56,300	56,800
15.75	to less than	16.00	52,700	53,000	53,300	53,800	54,300	54,800	55,200	55,700	56,200	56,700	57,200
16.00	to less than	16.25	53,100	53,400	53,700	54,200	54,700	55,200	55,700	56,100	56,600	57,100	57,500
16.25	to less than	16.50	53,500	53,800	54,100	54,600	55,100	55,600	56,100	56,600	57,000	57,500	57,900
16.50	to less than	16.75	54,000	54,300	54,600	55,000	55,500	56,000	56,500	57,000	57,400	57,900	58,400
16.75	to less than	17.00	54,400	54,700	55,000	55,500	55,900	56,400	56,900	57,400	57,900	58,300	58,800
17.00	to less than	17.25	54,900	55,100	55,400	55,900	56,300	56,800	57,300	57,800	58,300	58,700	59,300
17.25	to less than	17.50	55,300	55,600	55,800	56,300	56,800	57,200	57,700	58,200	58,700	59,200	59,700
17.50	to less than	17.75	55,700	56,000	56,200	56,700	57,200	57,700	58,100	58,600	59,100	59,600	60,100
17.75	to less than	18.00	56,200	56,400	56,600	57,100	57,600	58,100	58,500	59,000	59,500	60,000	60,500
18.00	to less than	18.25	56,600	56,800	57,100	57,500	58,000	58,500	59,000	59,400	59,900	60,400	61,000
18.25	to less than	18.50	57,100	57,300	57,500	58,000	58,400	58,900	59,400	59,800	60,300	60,800	61,200
18.50	to less than	18.75	57,500	57,700	57,900	58,400	58,800	59,300	59,800	60,300	60,700	61,200	61,600
18.75	to less than	19.00	58,100	58,300	58,500	58,800	59,200	59,600	60,100	60,600	61,000	61,500	61,900
19.00	to less than	19.25	58,600	58,800	59,000	59,200	59,600	60,000	60,500	61,000	61,400	61,800	62,200
19.25	and over		59,000	59,200	59,400	59,600	60,000	60,400	60,900	61,400	61,800	62,200	62,600

Gross Weight Table 21: Allowable Gross Weight on a Vehicle with Seven Axles (kilograms)
Inter-Vehicle-Unit Distance 3.3 to less than 3.6 metres

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001 to less than 5,500**	**5,500 to less than 6,000**	**6,000 to less than 6,500**	**6,500 to less than 7,000**	**7,000 to less than 7,500**	**7,500 to less than 3,000**	**8,000 to less than 8,500**	**8,500 to less than 9,000**	**9,000 to less than 9,500**	**9,500 to 10,000**
Less than 15.00	51,600	52,000	52,400	52,800	53,300	53,700	54,200	54,600	55,100	55,500	56,000
15.00 to less than 15.25	52,100	52,500	52,800	53,300	53,700	54,200	54,600	55,000	55,500	55,900	56,400
15.25 to less than 15.50	52,500	52,900	53,200	53,700	54,100	54,600	55,000	55,500	55,900	56,300	56,800
15.50 to less than 15.75	53,000	53,300	53,700	54,100	54,600	55,000	55,400	55,900	56,300	56,800	57,200
15.75 to less than 16.00	53,400	53,800	54,100	54,500	55,000	55,400	55,900	56,300	56,800	57,200	57,600
16.00 to less than 16.25	53,900	54,200	54,500	55,000	55,400	55,900	56,300	56,700	57,200	57,600	58,000
16.25 to less than 16.50	54,300	54,600	54,900	55,400	55,800	56,300	56,700	57,200	57,600	58,000	58,500
16.50 to less than 16.75	54,800	55,100	55,400	55,800	56,300	56,700	57,100	57,600	58,000	58,500	58,900
16.75 to less than 17.00	55,200	55,500	55,800	56,200	56,700	57,100	57,600	58,000	58,500	58,900	59,400
17.00 to less than 17.25	55,600	55,900	56,200	56,700	57,100	57,500	58,000	58,400	58,800	59,300	59,700
17.25 to less than 17.50	56,100	56,400	56,700	57,100	57,500	57,900	58,400	58,800	59,200	59,700	60,100
17.50 to less than 17.75	56,500	56,800	57,100	57,500	57,900	58,400	58,800	59,200	59,600	60,100	60,400
17.75 to less than 18.00	57,000	57,300	57,500	57,900	58,400	58,800	59,200	59,600	60,000	60,400	60,800
18.00 to less than 18.25	57,400	57,700	57,900	58,400	58,800	59,200	59,600	60,000	60,400	60,800	61,200
18.25 to less than 18.50	57,900	58,100	58,400	58,800	59,200	59,600	60,000	60,400	60,800	61,200	61,600
18.50 to less than 18.75	58,300	58,600	58,800	59,200	59,600	60,000	60,400	60,800	61,200	61,600	62,000
18.75 to less than 19.00	58,700	59,000	59,300	59,600	60,000	60,400	60,800	61,200	61,600	62,000	62,400
19.00 to less than 19.25	59,200	59,500	59,700	60,000	60,400	60,800	61,200	61,600	62,000	62,400	62,800
19.25 and over	59,600	59,900	60,100	60,400	60,800	61,200	61,600	62,000	62,400	62,800	63,200

Gross Weight Table 22: Allowable Gross Weight on a Vehicle with Seven Axles (kilograms)
Inter-Vehicle-Unit Distance 3.6 metres or more

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less than **7,000**	**7,000** to less than **7,500**	**7,500** to less than **8,000**	**8,000** to less than **8,500**	**8,500** to less than **9,000**	**9,000** to less than **9,500**	**9,500** to **10,000**
Less than 15.00	52,300	52,700	53,100	53,500	54,000	54,400	54,900	55,300	55,800	56,200	56,700
15.00 to less than 15.25	52,800	53,100	53,500	54,000	54,400	54,800	55,300	55,700	56,200	56,600	57,100
15.25 to less than 15.50	53,200	53,600	53,900	54,400	54,800	55,300	55,700	56,100	56,600	57,000	57,500
15.50 to less than 15.75	53,700	54,000	54,400	54,800	55,200	55,700	56,100	56,500	57,000	57,400	57,900
15.75 to less than 16.00	54,100	54,400	54,800	55,200	55,700	56,100	56,500	56,900	57,400	57,800	58,300
16.00 to less than 16.25	54,500	54,900	55,200	55,600	56,100	56,500	56,900	57,300	57,800	58,200	58,600
16.25 to less than 16.50	55,000	55,300	55,600	56,100	56,500	56,900	57,300	57,800	58,200	58,600	59,000
16.50 to less than 16.75	55,400	55,700	56,100	56,500	56,900	57,300	57,700	58,200	58,600	59,000	59,400
16.75 to less than 17.00	55,900	56,200	56,500	56,900	57,300	57,700	58,200	58,600	59,000	59,400	59,800
17.00 to less than 17.25	56,300	56,600	56,900	57,300	57,700	58,100	58,500	59,000	59,400	59,800	60,300
17.25 to less than 17.50	56,700	57,000	57,300	57,700	58,100	58,500	58,900	59,300	59,800	60,200	60,700
17.50 to less than 17.75	57,100	57,400	57,700	58,100	58,500	58,900	59,300	59,700	60,100	60,600	61,000
17.75 to less than 18.00	57,500	57,800	58,000	58,500	58,900	59,300	59,700	60,100	60,500	60,900	61,300
18.00 to less than 18.25	57,900	58,200	58,400	58,800	59,300	59,700	60,100	60,500	60,900	61,300	61,700
18.25 to less than 18.50	58,400	58,600	58,800	59,200	59,600	60,100	60,500	60,900	61,300	61,700	62,100
18.50 to less than 18.75	58,800	59,000	59,200	59,600	60,000	60,400	60,900	61,300	61,700	62,100	62,500
18.75 to less than 19.00	59,300	59,500	59,700	60,000	60,400	60,900	61,300	61,700	62,100	62,500	62,900
19.00 to less than 19.25	59,700	59,900	60,200	60,500	60,900	61,300	61,700	62,100	62,500	62,900	63,300
19.25 and over	60,100	60,300	60,600	60,900	61,300	61,700	62,100	62,500	62,900	63,300	63,500

Gross Weight Table 23: Allowable Gross Weight on a Vehicle with Eight or More Axles (kilograms) Single Unit Vehicle, or Inter-Vehicle-Unit Distance less than 2.1 metres

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001 to less than 5,500**	**5,500 to less than 6,000**	**6,000 to less than 6,500**	**6,500 to less than 7,000**	**7,000 to less than 7,500**	**7,500 to less than 8,000**	**8,000 to less than 8,500**	**8,500 to less than 9,000**	**9,000 to less than 9,500**	**9,500 to 10,000**
Less than 15.00	47,600	48,000	48,500	49,000	49,500	50,000	50,400	50,900	51,400	51,900	52,400
15.00 to less than 15.25	48,100	48,600	49,000	49,500	50,000	50,500	51,000	51,400	51,900	52,400	52,900
15.25 to less than 15.50	48,700	49,100	49,600	50,100	50,500	51,000	51,500	51,900	52,400	52,900	53,400
15.50 to less than 15.75	49,200	49,700	50,100	50,600	51,100	51,500	52,000	52,400	52,900	53,400	53,800
15.75 to less than 16.00	49,700	50,200	50,700	51,100	51,600	52,000	52,500	52,900	53,400	53,800	54,300
16.00 to less than 16.25	50,300	50,700	51,200	51,700	52,100	52,500	53,000	53,400	53,900	54,300	54,800
16.25 to less than 16.50	50,800	51,300	51,800	52,200	52,600	53,100	53,500	53,900	54,400	54,800	55,300
16.50 to less than 16.75	51,300	51,800	52,300	52,700	53,200	53,600	54,000	54,400	54,900	55,300	55,700
16.75 to less than 17.00	51,800	52,300	52,800	53,200	53,600	54,000	54,500	54,900	55,300	55,700	56,100
17.00 to less than 17.25	52,300	52,800	53,200	53,700	54,100	54,500	54,900	55,300	55,700	56,100	56,500
17.25 to less than 17.50	52,800	53,300	53,700	54,100	54,500	54,900	55,400	55,800	56,200	56,600	57,000
17.50 to less than 17.75	53,300	53,800	54,200	54,600	55,000	55,400	55,800	56,200	56,600	57,000	57,400
17.75 to less than 18.00	53,800	54,300	54,700	55,100	55,500	55,900	56,200	56,600	57,000	57,400	57,800
18.00 to less than 18.25	54,300	54,700	55,100	55,500	55,900	56,300	56,700	57,100	57,500	57,800	58,300
18.25 to less than 18.50	54,800	55,200	55,600	56,000	56,400	56,800	57,100	57,500	57,900	58,300	58,800
18.50 to less than 18.75	55,300	55,700	56,100	56,500	56,800	57,200	57,600	58,000	58,300	58,700	59,300
18.75 to less than 19.00	55,900	56,300	56,700	57,000	57,400	57,700	58,000	58,400	58,800	59,200	59,700
19.00 to less than 19.25	56,400	56,800	57,200	57,400	57,800	58,100	58,400	58,800	59,200	59,600	60,100
19.25 and over	56,800	57,200	57,600	57,800	58,200	58,500	58,800	59,200	59,600	60,000	60,500

Gross Weight Table 24: Allowable Gross Weight on a Vehicle with Eight or More Axles (kilograms)
Inter-Vehicle-Unit Distance 2.1 to less than 2.4 metres

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less than **7,000**	**7,000** to less than **7,500**	**7,500** to less than **8,000**	**8,000** to less than **8,500**	**8,500** to less than **9,000**	**9,000** to less than **9,500**	**9,500** to **10,000**
Less than 15.00	48,600	49,000	49,500	50,000	50,400	50,900	51,400	51,900	52,300	52,800	53,300
15.00 to less than 15.25	49,100	49,500	50,000	50,500	50,900	51,400	51,900	52,300	52,800	53,300	53,700
15.25 to less than 15.50	49,600	50,100	50,500	51,000	51,400	51,900	52,300	52,800	53,300	53,700	54,200
15.50 to less than 15.75	50,100	50,600	51,000	51,500	51,900	52,400	52,800	53,300	53,700	54,200	54,500
15.75 to less than 16.00	50,600	51,100	51,600	52,000	52,400	52,900	53,300	53,800	54,200	54,600	55,100
16.00 to less than 16.25	51,100	51,600	52,100	52,500	52,900	53,400	53,800	54,200	54,700	55,100	55,500
16.25 to less than 16.50	51,700	52,100	52,600	53,000	53,400	53,900	54,300	54,700	55,100	55,500	55,900
16.50 to less than 16.75	52,200	52,600	53,100	53,500	53,900	54,300	54,800	55,200	55,600	56,000	56,400
16.75 to less than 17.00	52,700	53,200	53,600	54,000	54,400	54,800	55,200	55,600	56,000	56,400	56,800
17.00 to less than 17.25	53,200	53,700	54,100	54,500	54,900	55,300	55,700	56,100	56,500	56,900	57,200
17.25 to less than 17.50	53,700	54,200	54,600	55,000	55,400	55,800	56,200	56,600	57,000	57,300	57,700
17.50 to less than 17.75	54,300	54,700	55,100	55,500	55,900	56,300	56,700	57,000	57,400	57,800	58,200
17.75 to less than 18.00	54,800	55,200	55,700	56,000	56,400	56,800	57,100	57,500	57,900	58,200	58,600
18.00 to less than 18.25	55,300	55,700	56,200	56,500	56,900	57,300	57,600	58,000	58,300	58,700	59,000
18.25 to less than 18.50	55,800	56,300	56,700	57,000	57,400	57,700	58,100	58,400	58,800	59,100	59,500
18.50 to less than 18.75	56,400	56,800	57,200	57,500	57,900	58,200	58,600	58,900	59,300	59,600	60,000
18.75 to less than 19.00	56,900	57,400	57,800	58,100	58,500	58,800	59,200	59,500	59,900	60,200	60,500
19.00 to less than 19.25	57,500	57,900	58,300	58,600	59,000	59,300	59,700	60,000	60,400	60,700	61,000
19.25 and over	57,900	58,300	58,700	59,000	59,400	59,700	60,100	60,400	60,800	61,100	61,400

Gross Weight Table 25: Allowable Gross Weight on a Vehicle with Eight or More Axles (kilograms)
Inter-Vehicle-Unit Distance 2.4 to less than 2.7 metres

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001 to less than 5,500**	**5,500 to less than 6,000**	**6,000 to less than 6,500**	**6,500 to less than 7,000**	**7,000 to less than 7,500**	**7,500 to less than 8,000**	**8,000 to less than 8,500**	**8,500 to less than 9,000**	**9,000 to less than 9,500**	**9,500 to 10,000**
Less than 15.00	49,700	50,100	50,600	51,000	51,500	51,900	52,400	52,800	53,300	53,700	54,200
15.00 to less than 15.25	50,200	50,600	51,100	51,500	52,000	52,400	52,800	53,300	53,700	54,200	54,600
15.25 to less than 15.50	50,700	51,100	51,600	52,000	52,400	52,900	53,300	53,700	54,200	54,600	55,100
15.50 to less than 15.75	51,200	51,600	52,100	52,500	52,900	53,300	53,800	54,200	54,600	55,100	55,500
15.75 to less than 16.00	51,600	52,100	52,500	53,000	53,400	53,800	54,200	54,700	55,100	55,500	56,000
16.00 to less than 16.25	52,100	52,600	53,000	53,500	53,900	54,300	54,700	55,100	55,600	56,000	56,400
16.25 to less than 16.50	52,600	53,100	53,500	53,900	54,400	54,800	55,200	55,600	56,000	56,400	56,900
16.50 to less than 16.75	53,100	53,500	54,000	54,400	54,800	55,200	55,700	56,100	56,500	56,900	57,300
16.75 to less than 17.00	53,600	54,000	54,500	54,900	55,300	55,700	56,100	56,500	56,900	57,300	57,700
17.00 to less than 17.25	54,100	54,500	54,900	55,300	55,700	56,200	56,600	57,000	57,400	57,800	58,200
17.25 to less than 17.50	54,500	55,000	55,400	55,800	56,200	56,600	57,000	57,400	57,800	58,200	58,600
17.50 to less than 17.75	55,000	55,400	55,800	56,300	56,700	57,100	57,500	57,900	58,300	58,700	59,100
17.75 to less than 18.00	55,500	55,900	56,300	56,700	57,100	57,500	57,900	58,300	58,700	59,100	59,500
18.00 to less than 18.25	56,000	56,400	56,800	57,200	57,600	58,000	58,400	58,800	59,200	59,600	60,000
18.25 to less than 18.50	56,500	56,800	57,200	57,600	58,000	58,400	58,800	59,200	59,600	60,000	60,400
18.50 to less than 18.75	56,900	57,300	57,700	58,100	58,500	58,900	59,300	59,700	60,100	60,500	60,900
18.75 to less than 19.00	57,500	57,700	58,100	58,500	58,900	59,300	59,700	60,100	60,500	60,900	61,300
19.00 to less than 19.25	57,900	58,100	58,500	58,900	59,300	59,700	60,100	60,500	60,900	61,300	61,700
19.25 and over	58,300	58,500	58,900	59,300	59,700	60,100	60,500	60,900	61,300	61,700	62,100

Gross Weight Table 26: Allowable Gross Weight on a Vehicle with Eight or More Axles (kilograms)
Inter-Vehicle-Unit Distance 2.7 to less than 3.0 metres

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less than **7,000**	**7,000** to less than **7,500**	**7,500** to less than **8,000**	**8,000** to less than **8,500**	**8,500** to less than **9,000**	**9,000** to less than **9,500**	**9,500** to **10,000**
Less than 15.50	51,600	52,000	52,400	52,900	53,300	53,800	54,200	54,700	55,100	55,600	56,000
15.50 to less than 15.75	52,000	52,400	52,900	53,300	53,800	54,200	54,700	55,100	55,600	56,000	56,500
15.75 to less than 16.00	52,500	52,900	53,300	53,800	54,200	54,700	55,100	55,600	56,000	56,500	56,900
16.00 to less than 16.25	52,900	53,400	53,800	54,200	54,700	55,100	55,600	56,000	56,500	56,900	57,400
16.25 to less than 16.50	53,400	53,800	54,300	54,700	55,200	55,600	56,100	56,500	57,000	57,400	57,800
16.50 to less than 16.75	53,900	54,300	54,700	55,200	55,600	56,100	56,500	57,000	57,400	57,800	58,300
16.75 to less than 17.00	54,300	54,800	55,200	55,600	56,100	56,500	57,000	57,400	57,900	58,300	58,700
17.00 to less than 17.25	54,800	55,200	55,700	56,100	56,500	57,000	57,400	57,900	58,300	58,700	59,200
17.25 to less than 17.50	55,200	55,700	56,100	56,600	57,000	57,400	57,900	58,300	58,700	59,200	59,600
17.50 to less than 17.75	55,700	56,100	56,600	57,000	57,400	57,900	58,300	58,800	59,200	59,600	60,000
17.75 to less than 18.00	56,200	56,600	57,000	57,500	57,900	58,300	58,800	59,200	59,600	60,100	60,500
18.00 to less than 18.25	56,600	57,100	57,500	57,900	58,400	58,800	59,200	59,600	60,100	60,500	61,000
18.25 to less than 18.50	57,100	57,500	57,900	58,400	58,800	59,200	59,700	60,100	60,500	61,000	61,400
18.50 to less than 18.75	57,500	58,000	58,400	58,800	59,300	59,700	60,100	60,500	61,000	61,400	61,900
18.75 to less than 19.00	58,000	58,400	58,800	59,200	59,700	60,100	60,600	60,900	61,400	61,800	62,300
19.00 to less than 19.25	58,400	58,800	59,200	59,600	60,100	60,500	61,000	61,300	61,800	62,200	62,700
19.25 and over	58,800	59,200	59,600	60,000	60,500	60,900	61,400	61,700	62,200	62,600	63,100

Gross Weight Table 27: Allowable Gross Weight on a Vehicle with Eight or More Axles (kilograms)
Inter-Vehicle-Unit Distance 3.0 to less than 3.3 metres

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	5,001 to less than 5,500	5,500 to less than 6,000	6,000 to less than 6,500	6,500 to less than 7,000	7,000 to less than 7,500	7,500 to less than 8,000	8,000 to less than 8,500	8,500 to less than 9,000	9,000 to less than 9,500	9,500 to 10,000
Less than 16.00	53,100	53,400	53,800	54,300	54,700	55,200	55,700	56,200	56,600	57,100	57,600
16.00 to less than 16.25	53,500	53,900	54,300	54,700	55,200	55,700	56,100	56,600	57,100	57,600	58,000
16.25 to less than 16.50	54,000	54,400	54,700	55,200	55,700	56,100	56,600	57,100	57,500	58,000	58,500
16.50 to less than 16.75	54,400	54,800	55,200	55,700	56,100	56,600	57,100	57,500	58,000	58,500	58,900
16.75 to less than 17.00	54,900	55,300	55,600	56,100	56,600	57,100	57,500	58,000	58,500	58,900	59,400
17.00 to less than 17.25	55,300	55,700	56,100	56,600	57,000	57,500	58,000	58,500	58,900	59,400	59,900
17.25 to less than 17.50	55,800	56,200	56,500	57,000	57,500	58,000	58,500	59,000	59,400	59,900	60,500
17.50 to less than 17.75	56,300	56,600	57,000	57,500	58,000	58,500	59,000	59,500	60,000	60,500	60,000
17.75 to less than 18.00	56,700	57,100	57,500	58,000	58,500	59,000	59,500	60,000	60,500	61,000	61,500
18.00 to less than 18.25	57,200	57,500	57,900	58,400	58,900	59,500	60,000	60,500	61,000	61,500	62,000
18.25 to less than 18.50	57,600	58,000	58,400	58,900	59,400	59,900	60,500	61,000	61,500	62,100	62,500
18.50 to less than 18.75	58,100	58,400	58,800	59,300	59,900	60,400	61,000	61,500	62,100	62,600	63,000
18.75 to less than 19.00	58,600	58,800	59,400	59,700	60,300	60,800	61,400	62,900	62,500	63,000	63,500
19.00 to less than 19.25	59,000	59,200	59,800	60,100	60,700	61,200	61,800	62,300	62,900	63,400	63,500
19.25 and over	59,400	59,600	60,200	60,500	61,100	61,600	62,200	62,700	63,300	63,500	63,500

Gross Weight Table 28: Allowable Gross Weight on a Vehicle with Eight or More Axles (kilograms)
Inter-Vehicle-Unit Distance 3.3 to less than 3.6 metres

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less than **7,000**	**7,000** to less than **7,500**	**7,500** to less than **8,000**	**8,000** to less than **8,500**	**8,500** to less than **9,000**	**9,000** to less than **9,500**	**9,500** to **10,000**
Less than 16.00	54,300	54,700	55,100	55,500	55,900	56,300	56,800	57,200	57,600	58,000	58,400
16.00 to less than 16.25	54,700	55,200	55,600	56,000	56,400	56,800	57,200	57,700	58,100	58,500	59,000
16.25 to less than 16.50	55,200	55,700	56,100	56,500	56,900	57,300	57,700	58,100	58,600	59,000	59,500
16.50 to less than 16.75	55,700	56,100	56,600	57,000	57,400	57,800	58,200	58,600	59,000	59,400	59,900
16.75 to less than 17.00	56,200	56,600	57,100	57,500	57,900	58,300	58,700	59,100	59,500	59,900	60,400
17.00 to less than 17.25	56,600	57,100	57,600	58,000	58,400	58,800	59,200	59,600	60,000	60,400	60,900
17.25 to less than 17.50	57,100	57,600	58,100	58,500	58,900	59,300	59,700	60,100	60,500	60,900	61,400
17.50 to less than 17.75	57,600	58,100	58,600	59,000	59,400	59,800	60,200	60,600	61,000	61,400	61,900
17.75 to less than 18.00	58,100	58,600	59,100	59,500	59,900	60,300	60,700	61,100	61,500	61,900	62,500
18.00 to less than 18.25	58,600	59,100	59,600	60,000	60,400	60,800	61,200	61,600	62,100	62,500	63,000
18.25 to less than 18.50	59,100	59,600	60,100	60,500	60,900	61,300	61,700	62,200	62,600	63,000	63,500
18.50 to less than 18.75	59,600	60,100	60,600	61,000	61,400	61,800	62,300	62,700	63,100	63,500	63,500
18.75 to less than 19.00	60,100	60,500	61,000	61,400	61,800	62,200	62,700	63,100	63,500	63,500	63,500
19.00 to less than 19.25	60,600	60,900	61,400	61,800	62,200	62,600	63,100	63,500	63,500	63,500	63,500
19.25 and over	61,000	61,300	61,800	62,200	62,600	63,000	63,500	63,500	63,500	63,500	63,500

Gross Weight Table 29: Allowable Gross Weight on a Vehicle with Eight or More Axles (kilograms)
Inter-Vehicle-Unit Distance 3.6 metres or more

Base length (metres)	Front axle weight (kilograms)										
	5000 or less	**5,001** to less than **5,500**	**5,500** to less than **6,000**	**6,000** to less than **6,500**	**6,500** to less than **7,000**	**7,000** to less than **7,500**	**7,500** to less than **8,000**	**8,000** to less than **8,500**	**8,500** to less than **9,000**	**9,000** to less than **9,500**	**9,500** to **10,000**
Less than 16.00	54,800	55,200	55,600	56,000	56,400	56,800	57,300	57,700	58,100	58,500	59,000
16.00 to less than 16.25	55,200	55,700	56,100	56,500	56,900	57,300	57,700	58,200	58,600	59,000	59,500
16.25 to less than 16.50	55,700	56,200	56,600	57,000	57,400	57,800	58,200	58,600	59,100	59,500	59,900
16.50 to less than 16.75	56,200	56,600	57,100	57,500	57,900	58,300	58,700	59,100	59,500	59,900	60,300
16.75 to less than 17.00	56,700	57,100	57,600	58,000	58,400	58,800	59,200	59,600	60,000	60,400	60,800
17.00 to less than 17.25	57,100	57,600	58,100	58,500	58,900	59,300	59,700	60,100	60,500	60,900	61,300
17.25 to less than 17.50	57,600	58,100	58,600	59,000	59,400	59,800	60,200	60,600	61,000	61,400	61,800
17.50 to less than 17.75	58,100	58,600	59,100	59,500	59,900	60,300	60,700	61,100	61,500	61,900	62,300
17.75 to less than 18.00	58,600	59,100	59,600	60,000	60,400	60,800	61,200	61,600	62,000	62,400	62,900
18.00 to less than 18.25	59,100	59,600	60,100	60,500	60,900	61,300	61,700	62,100	62,600	63,000	63,500
18.25 to less than 18.50	59,600	60,100	60,600	61,000	61,400	61,800	62,200	62,700	63,100	63,500	63,500
18.50 to less than 18.75	60,100	60,600	61,100	61,500	61,900	62,300	62,700	63,200	63,500	63,500	63,500
18.75 to less than 19.00	60,600	61,000	61,500	61,900	62,300	62,700	63,100	63,500	63,500	63,500	63,500
19.00 to less than 19.25	61,100	61,400	61,900	62,300	62,700	63,100	63,500	63,500	63,500	63,500	63,500
19.25 and over	61,500	61,800	62,300	62,700	63,100	63,500	63,500	63,500	63,500	63,500	63,500

9. LOAD AND DIMENSIONS – HTA PART VII

Part VII of the Highway Traffic Act

This Chapter contains the full text of Part VII of the Highway Traffic Act, which is entitled "Load and Dimensions". It deals with:

- Allowable dimensions (width, length and height) for vehicles;
- Allowable dimensions for loads carried by vehicles;
- Permits for oversize loads;
- Special permits for vehicles;
- Covering of loads;
- Securement of loads; and
- Transportation of dangerous goods.

This Part authorizes Regulations for certain vehicle configurations, which is Reg. 32/94, reproduced in Chapter 12 [Page 189]. In addition, it also authorizes regulations for covering of loads, securement of loads and transportation of dangerous goods, which are not reproduced in this booklet.

108. Definitions

108. In this Part,

"box length", in a combination of vehicles having more than one trailer, means the external measurement from the front of the foremost trailer to the rear of the rearmost trailer, including load, but excluding any portion of auxiliary equipment or machinery that extends beyond the front of the foremost trailer and that is not designed or used for the transportation of goods;

"over-dimensional farm vehicle" means a farm tractor, self-propelled implement of husbandry, implement of husbandry, or any combination of them, having a weight, width, length or height in excess of the limits provided in this Part or Part VIII;

"semi-trailer" means a trailer designed so that its forward part rests on or is carried by another vehicle or trailer converter dolly to which it is coupled by means of a fifth wheel assembly.

109(1) Width of vehicle

109(1) Subject to section 110, no vehicle including load or contents shall have a greater width than 2.6 metres while on a highway except,

(a) traction engines, which may have a total width not exceeding 2.8 metres; or

(b) road service vehicles as defined in Part X and this includes the vehicles while they are travelling to and from a maintenance site or repair centre.

109(2) Width of load

109(2) Subject to section 110, no load on a vehicle shall have a greater width than 2.6 metres while on a highway except,

(a) loads of raw forest products which shall not exceed a total width of 2.7 metres at point of origin and which shall not exceed a total width of 2.8 metres at any time during transit; or

(b) loads of loose fodder.

109(3) Rear vision mirrors and lamps not included

109(3) Where a commercial motor vehicle is equipped with one or more rear vision mirrors that extend in whole or in part beyond either side of the vehicle, or one or more lamps, required by this Act, that extend in whole or in part beyond either side of the vehicle, the amount of the extension shall not be included in determining the maximum width of the vehicle under subsection (1).

109(4) Rear vision mirrors, lamps, etc., not included in width of bus

109(4) Where a bus is equipped with rear vision mirrors, side marker lamps, side marker reflectors, side mounted turn indicators or rubber fenders around the outer edges of its wheel housings, any of which extend in whole or in part beyond either side of the vehicle, the amount of the extension shall not be included in determining the maximum width of the vehicle under subsection (1).

109(5) Load covering mechanism not included in width

109(5) Where a commercial motor vehicle or trailer is equipped with a load covering mechanism, extensions in the width of the vehicle caused by the mechanism shall not be included in determining the width of the vehicle under subsection (1) where the mechanism does not extend the width of the vehicle on either side by more than 102 millimetres.

109(6) Length of vehicle

109(6) Subject to section 110, no vehicle, other than a fire apparatus, a semi-trailer or a bus, including load, shall exceed the length of 12.5 metres while on a highway.

109(7) Length of combination

109(7) No combination of vehicles, including load, coupled together shall exceed the total length of twenty-three metres while on a highway.

109(7.1) Exception

109(7.1) Despite subsection (7), a combination of vehicles whose configuration, weight and dimensions are as prescribed by regulation may have a total length while on a highway, including load, that does not exceed 25 metres.

109(8) Maximum box length

109(8) No combination of vehicles composed of more than one trailer shall have a box length in excess of 18.5 metres while on a highway.

109(8.1) Exception

109(8.1) Despite subsection (8), a combination of vehicles whose configuration, weight and dimensions are as prescribed by regulation may have a box length that does not exceed 20 metres while on a highway.

109(8.2) Not applicable.

109(8.3) Not applicable.

109(9) Non-application of subsections

109(9) Subsections (8.2) and (8.3) do not apply after December 31, 1998.

109(10) Maximum length of semi-trailer

109(10) Subject to section 110, no semi-trailer shall have a length with an external measurement, excluding any portion of auxiliary equipment or machinery that extends beyond the front or rear of the semi-trailer and that is not designed or used for the transportation of goods, that exceeds 14.65 metres while on a highway.

109(10.1) Exception

109(10.1) Subsection (10) does not apply to a semi-trailer designed to carry vehicles.

109(10.2) Exception

109(10.2) Despite subsection (10), a semi-trailer used in a combination of vehicles whose configuration, weight and dimensions are as prescribed by regulation may have a length with an external measurement, excluding any portion of

auxiliary equipment or machinery that extends beyond the front of the semi-trailer and that is not designed or used for the transportation of goods, that does not exceed 16.2 metres while on a highway.

109(11) Length of bus

109(11) No bus, other than an articulated bus, shall exceed the length of 12.5 metres while on a highway, but an increase in the length of a bus caused by the addition of a liquid filled or other energy-absorbing bumper shall not be included in determining the length of the bus.

109(11.1) Despite subsection (11), a bus that meets the requirements prescribed by regulation may exceed the length of 12.5 metres.

109(12) Restricting length of combination of vehicles

109(12) The council of a city may by by-law prohibit the operation of a combination of vehicles having a total length, including load, in excess of 15.25 metres while on a highway or a portion thereof under its jurisdiction designated in the by-law.

109(13) Mirror not included in length

109(13) Where a vehicle is equipped with one or more mirrors that extend in whole or in part beyond the front of the vehicle, the amount of the extension shall not be included in determining the length of the vehicle under subsection (6), (11) or (12).

109(14) Height of vehicle

109(14) Subject to section 110, no vehicle including load shall have a greater height than 4.15 metres while on a highway.

109(15) Penalty

109(15) Every person who contravenes this section is guilty of an offence and on conviction is liable to a fine of not less than $200 and not more than $1,000 and, in addition, the permit issued for the vehicle under section 7 may be suspended for not more than six months.

109(15.1) Penalty - commercial motor vehicle

109(15.1) Despite subsection (15), every person who contravenes this section is guilty of an offence and, if the offence was committed by means of a commercial motor vehicle within the meaning of subsection 16 (1), on conviction is liable to a fine of not less than $200 and not more than $20,000 and, in addition, the permit issued for the vehicle under section 7 may be suspended for not more than six months.

109(16) Regulations

109(16) The Lieutenant Governor in Council may make regulations for the purposes of subsections (7.1), (8.1) and (10.2),

(a) prescribing configurations of vehicles and combinations of vehicles;

(b) setting limits on dimensions of vehicles and combinations of vehicles, except those dimensions already set out in this Act;

(c) prescribing requirements for components and equipment for vehicles and combinations of vehicles.

109(17) Regulations

109(17) The Lieutenant Governor in Council may make regulations prescribing requirements for the purpose of subsection (11.1), including prescribing maximum length, bus type and use, load distribution, configurations and requirements for components, equipment and safety features.

110. Permits

110(1) Permits

110(1) The municipal corporation or other authority having jurisdiction over the highway may, upon application in writing, grant a permit for use of the highway by a vehicle or combination of vehicles in excess of the dimensional limits set out in section 109 or the weight limits set out in Part VIII in order to allow the movement of,

(a) a load, object or structure that cannot reasonably be divided and moved within those limits;

(b) a vehicle that cannot reasonably be divided and moved within those limits and that is not itself carrying a load, object or structure or drawing or carrying a vehicle;

(c) a vehicle or combination of vehicles that is used exclusively to move a load, object or structure or to draw or carry a vehicle as described in clauses (a) and (b).

110(2) Permits, general or limited

110(2) The permit referred to in subsection (1) may be general, or may limit the time and the particular highway that may be used, and may contain conditions relating to the protection of persons and property from injury or damage and the municipal corporation or other authority may require a bond or other security sufficient to cover the cost of repairing any possible damage to the highway.

110(3) Who may issue

110(3) The council of any municipality may by by-law provide that a permit referred to in subsection (1) may be issued by an officer of the corporation named therein.

110(4) Issue of permit by Ministry

110(4) In the case of a vehicle for which a permit is required under this section in order to pass over a highway or highways under the jurisdiction of two or more municipalities or other authorities, the permit so to do may be issued by the Ministry, which permit is instead of the several permits to be otherwise obtained from the municipal corporations or other authorities, and the permit may limit the time and the particular highway or highways that may be used, and may contain any special conditions or provisions that may be considered necessary to protect the highways from damage, and the Ministry may require a bond or other security sufficient to cover the cost of repairing possible damage to the highway.

110(5) Responsibility for damages caused to highway

110(5) The owner, operator or mover of a heavy vehicle, load, object or structure in respect of which a permit is granted

under this section is nevertheless responsible for all damages that may be caused to the highway by reason of the driving, operating or moving of any such heavy vehicle, load, object or structure.

110(6) Condition of permit

110(6) It is a condition of every permit issued under this section that the original of the permit be carried in the vehicle for which the permit was issued and be produced when demanded by a police officer or an officer appointed for carrying out the provisions of this Act.

110(7) Penalty

110(7) Every person who operates or permits the operation of a vehicle or combination of vehicles contrary to any of the conditions of the permit is guilty of an offence and on conviction is liable to a fine of not less than $200 and not more than $20,000 and, in addition, if the condition contravened is in respect of any weight allowed under the permit, a fine shall be imposed as if the person had not been issued a permit under this section and had been convicted of an offence under Section 116 [Page 154], 117 [Page 156] or 120 [Page 158] in respect of any gross vehicle weight, axle unit weight or axle group weight in excess of the maximum allowable weights permitted under this Act or the regulations.

110.1(1) Special permits

110.1 (1) For the purposes set out in subsection (2), the Registrar may, upon application in writing, issue a permit allowing the operation of a vehicle or combination of vehicles that does not comply with,

(a) one or more of the dimensional limits set out in section 109 or a regulation prescribing the configuration, weight and dimensions made for the purpose of subsection 109 (7.1), (8.1) or (10.2); or

(b) one or more of the weight limits set out in Part VIII or a regulation made under that Part.

110.1(2) Purposes for issuing special permits

110.1(2) A permit may be issued under subsection (1),

(a) to harmonize the rules and limits with respect to configurations, weights and dimensions applicable to a class of vehicles or combination of vehicles with those of any other jurisdiction;

(b) to allow a trial of a vehicle or combination of vehicles;

(c) to allow a variance from a limit within a geographic area or along routes specified by the Registrar for the movement of a commodity or commodities;

(d) to allow the use of a vehicle or combination of vehicles for a purpose or in circumstances described in the regulations.

110.1(3) Classes of permit

110.1(3) The Registrar may establish different classes of permits for different classes of vehicles or combinations of vehicles.

110.1(4) Refusal of special permit

110.1(4) The Registrar may refuse to issue a permit under subsection (1) if the vehicle or combination of vehicles is eligible to be considered for a permit under subsection 110 (1), whether or not the applicant has been refused a permit under that subsection.

110.1(5) Qualifications

110.1(5) The Registrar may establish qualifications for applicants for a permit under subsection (1).

110.1(6) Limited number of permits

110.1(6) The Registrar may limit the number of permits of any class, may adopt any reasonable scheme for allotting the permits within a class and may refuse to issue a permit because the maximum number of permits for the class has already been issued or in accordance with the terms of the allotment scheme.

110.1(7) Conditions

110.1(7) The Registrar may attach conditions to a permit that he or she issues as he or she considers appropriate.

110.1(8) Onus

110.1(8) The onus is on the applicant to establish that a permit should be granted and the Registrar may refuse any application unless he or she is satisfied that the permit should be granted.

110.1(9) Submissions and decision

110.1(9) The Registrar shall consider an applicant's submissions relating to the issuance of a permit and the conditions that attach to the permit, but shall not hold a hearing into the matter, and the Registrar's decision is final.

110.1(10) Fees

110.1(10) The Registrar may set fees for the issuance, renewal and replacement of permits issued under this section.

110.1(11) Fees

110.1(11) The Registrar may set different fees and different validity periods for different classes of vehicles, combinations of vehicles or persons and may exempt classes of vehicles, combinations of vehicles or persons from fees.

110.2(1) Carrying and production of permit

110.2(1) A driver of the vehicle or combination of vehicles in respect of which a permit is issued under section 110.1 shall carry the permit or a copy of it, as specified in the permit, in the vehicle or combination of vehicles and shall produce it on the demand of a police officer or other officer appointed for carrying out the provisions of this Act.

110.2(2) Effect of failure to produce permit

110.2(2) If the permit or copy is not produced in response to a demand under subsection (1), the permit does not apply to the vehicle or combination of vehicles, and the vehicle or combination of vehicles is subject to the dimensional and weight limits that apply as if no permit had been issued.

110.2(3) Offences

110.2(3) Every person who operates or permits the operation of a vehicle or combination of vehicles contrary to any of the

conditions of the permit is guilty of an offence and on conviction,

(a) where no condition with respect to weight is breached, is liable to a fine of not less than $200 and not more than $20,000;

(b) where the only condition breached is one with respect to weight, is liable to any fine assessed in accordance with section 125; and

(c) where more than one condition is breached and one of the conditions breached is a condition with respect to weight, is liable to a fine of not less than $200 and not more than $20,000, in addition to any fine assessed in accordance with section 125.

110.3(1) Suspension, etc., of permit

110.3(1) The Registrar may suspend, refuse to renew, modify or cancel a permit issued under section 110.1 on the grounds of,

(a) breach of the conditions of the permit or of any other permit held by the holder under that section;

(b) false or incomplete information in the application for the permit or its renewal or for any other permit held by the holder under that section; or

(c) an outstanding fee in respect of the permit or any other permit held by the holder under that section, or an outstanding penalty or interest in respect of the fee.

110.3(2) Notice of proposed action

110.3(2) Before taking an action under subsection (1), the Registrar shall notify the permit holder of the proposed action and give the holder an opportunity to make written submissions about the proposed action, and the holder has 15 days from actual or deemed receipt of the notice to make submissions.

110.3(3) Method of giving notice

110.3(3) Notice under subsection (2) is sufficiently given if,

(a) it is delivered by mail addressed to the permit holder at the latest address for the person appearing on the records of the Ministry;

(b) it is sent by fax to the person at the latest fax number provided by the person to the Ministry; or

(c) it is sent by other means prescribed by the regulations.

110.3(4) Method of giving notice

110.3(4) Unless the person establishes that the person did not, acting in good faith, through absence, accident, illness or other cause beyond the person's control, receive the notice,

(a) notice given by mail shall be deemed to have been received on the fifth day after it was mailed;

(b) notice given by fax shall be deemed to have been received on the first business day after it was sent; or

(c) notice given by a means prescribed by the regulations shall be deemed to have been received on the day prescribed by the regulations.

110.3(5) Submissions and decision

110.3(5) The Registrar shall consider submissions, but shall not hold a hearing into the matter, and the Registrar's decision is final.

110.4(1) Additional power of Registrar to suspend, etc.

110.4 (1) In addition to taking action under subsection 110.3 (1) for a ground listed in that subsection, the Registrar may take action under that subsection with respect to all of the permits of a given class, where in his or her opinion,

(a) the action eliminates or reduces any threat to highway safety;

(b) the action eliminates or reduces any unreasonable wear or damage to the highways and the supporting infrastructure; or

(c) the original reason for granting permits of that class under subsection 110.1 (1) no longer exists or is not the same due to a change of circumstances.

110.4(2) Notice of proposed action

110.4(2) Before taking an action under subsection (1), the Registrar shall notify each permit holder of the proposed action and shall give the holders an opportunity to make written submissions about the proposed action, and the holder has 15 days from actual or deemed receipt of the notice to make submissions.

110.4(3) Method of giving notice

110.4(3) Notice under subsection (2) is sufficiently given if,

(a) it is delivered by mail addressed to the permit holder at the latest address for the person appearing on the records of the Ministry;

(b) it is sent by fax to the person at the latest fax number for the person provided by the person to the Ministry; or

(c) it is sent by other means prescribed by the regulations.

110.4(4) Method of giving notice

110.4(4) Unless the person establishes that the person did not, acting in good faith, through absence, accident, illness or other cause beyond the person's control, receive the notice,

(a) notice given by mail shall be deemed to have been received on the fifth day after it was mailed;

(b) notice given by fax shall be deemed to have been received on the first business day after it was sent;

(c) notice given by a means prescribed by the regulations shall be deemed to have been received on the day prescribed by the regulations.

110.4(5) Submissions and decision

110.4(5) The Registrar shall consider submissions, but shall not hold a hearing into the matter, and the Registrar's decision is final.

111(1) Overhanging load

111(1) Every vehicle carrying a load which overhangs the rear of the vehicle to the extent of 1.5 metres or more while on a highway shall display upon the overhanging load at the extreme rear end thereof at any time from one-half hour before sunset to one-half hour after sunrise, or at any other time when there is insufficient light or unfavourable atmospheric conditions, a red light, and at all other times a red flag or a red marker sufficient to indicate the projection of the load.

111(2) Loading of motor vehicle, etc.

111(2) No person shall operate or permit to be operated upon a highway any motor vehicle or trailer unless the load that the vehicle or trailer is carrying is firmly bound, sufficiently covered, or otherwise secured or loaded, so that no portion of the load may become dislodged or fall from the motor vehicle or trailer.

111(3) Regulations

111(3) The Lieutenant Governor in Council may make regulations,

(a) prescribing the manner of loading, and of covering and securing loads on vehicles or classes of vehicles operated on highways or classes of highways;

(b) designating the vehicles or classes of vehicles and the highways or classes of highways to which any loading, covering or securing provisions are to apply;

(c) prescribing classes of vehicles, highways and loads for the purposes of clauses (a) and (b).

111(4) Penalty

111(4) Every person who contravenes this section or a regulation made under subsection (3) is guilty of an offence and on conviction is liable to a fine of not less than $100 and not more than $200 and, in addition, his or her driver's licence issued under section 32 and the person's permit issued under section 7 may be suspended for a period of not more than sixty days.

111(5) Penalty - commercial motor vehicle

111(5) Despite subsection (4), every person who contravenes this section or a regulation made under subsection (3) is guilty of an offence and, if the offence was committed by means of a commercial motor vehicle within the meaning of subsection 16 (1), on conviction is liable to a fine of not less than $200 and not more than $20,000 and, in addition, his or her driver's licence issued under section 32 and permit issued under section 7 may be suspended for a period of not more than 60 days.

112. Regulations re carriage of explosives, etc.

112(1) The Lieutenant Governor in Council may make regulations,

(a) classifying and defining explosives and dangerous materials;

(b) regulating or prohibiting the transportation of explosives and dangerous materials or any class thereof by a vehicle on a highway;

(c) regulating the preparation and packaging of explosives and dangerous materials or any class thereof to be transported by a vehicle on a highway;

(d) requiring the labelling of packages and containers of explosives and dangerous materials or any class thereof and prescribing the labels to be attached to such packages and containers.

112(2) Code, etc., may be adopted by reference

112(2) Any regulation made under subsection (1) may adopt by reference, in whole or in part, with the changes that the Lieutenant Governor in Council considers necessary, any code or standard, or any regulation made by the Government of Canada, and may require compliance with any code, standard or regulation that is so adopted.

112(3) Penalty

112(3) Every person who contravenes a regulation made under this section is guilty of an offence and on conviction is liable to a fine of not less than $100 and not more than $500

or to imprisonment for a term of not more than three months, or to both.

113. Over-dimensional farm vehicles

113(1) Exemption

113(1) This Part, other than regulations made under this section, does not apply to over-dimensional farm vehicles.

113(2) Regulations

113(2) The Lieutenant Governor in Council may make regulations,

(a) regulating or prohibiting the movement of over-dimensional farm vehicles or classes thereof on a highway or on classes of highways;

(b) requiring that escort vehicles or classes of escort vehicles accompany over-dimensional farm vehicles or classes thereof on a highway or classes of highways;

(c) prescribing the types, specifications and locations of markings, signs and lights that shall be carried by over-dimensional farm vehicles and escort vehicles or classes of either or both of them on a highway or classes of highways;

(d) prescribing conditions for the movement of over-dimensional farm vehicles on a highway or classes of highways relating to the protection of persons and property from injury or damage.

10. WEIGHT – HTA PART VIII

Part VIII of the Highway Traffic Act

This Chapter reproduces the full text of Part VIII of the Highway Traffic Act. It deals with:

- Designation of highways where weight limits apply;
- Definition of axle units and axle groups;
- Allowable weight on a tires;
- Allowable weight on an axle unit;
- Allowable weight on an axle group;
- Allowable gross weight;
- Allowable weight for raw forest products in freeze-up;
- Allowable weight on designated highways during the reduced load period;
- Allowable weight on bridges;
- Enforcement; and
- Penalties.

Part VIII includes 5 tables for allowable weight on axle units and axle groups. For convenience, these have been placed in Chapter 7 [Page 93], and do not appear in this Chapter.

This Part authorizes Regulations for gross weights, which is Regulation 597, reproduced in Chapter 8 [Page 101], and for other purposes.

114. Definitions

114(1) In this Part,

"axle" means an assembly of two or more wheels whose centres are in one transverse vertical plane and which are transmitting weight to the highway;

"axle group weight" means that part of the gross vehicle weight in kilograms transmitted to the highway by a two axle group, three axle group or four axle group;

"axle unit" means any single axle, dual axle or triple axle; "axle unit weight" means that part of the gross vehicle weight in kilograms transmitted to the highway by an axle unit;

"Class A Highway" means a highway designated as such by the Minister;

"Class B Highway" means a highway not designated by the Minister as a Class A Highway;

"dual axle" means any two consecutive axles whose centres are more than one metre apart and that,

(a) are articulated from a common attachment to the vehicle, or

(b) are designed to automatically equalize the load between the two axles;

"four axle group" means four consecutive axles, not including the front axle of a motor vehicle,

(a) that are entirely within either a motor vehicle or trailer or semi-trailer, and

(b) in which the spacings between the consecutive axles do not exceed 2.5 metres;

"front axle" means the front axle unit of a motor vehicle;

"gross vehicle weight" means the total weight in kilograms transmitted to the highway by a vehicle, or combination of vehicles, and load;

"liftable axle" means an assembly of two or more wheels whose centres are in one transverse vertical plane that is equipped with a device for altering (other than by longitudinal movement of the assembly only) the weight transmitted to the highway surface and that may be able to lift its tires from contact with that surface.

"over-dimensional farm vehicles" means the same as it does in Part VII;

"semi-trailer" means the same as it does in Part VII;

"single axle" means one or more axles whose centres are included between two parallel transverse vertical planes one metre apart;

"tank-truck" means a commercial motor vehicle to which there is attached or upon which there has been placed either permanently or otherwise a closed tank having a capacity of 2.3 kilolitres or more;

"three axle group" means three consecutive axles, not including the front axle of a motor vehicle,

(a) that do not form a triple axle within the meaning of the definition of "triple axle",

(b) that are entirely within either a motor vehicle or trailer or semi-trailer,

(c) in which the spacings between the consecutive axles do not exceed 2.5 metres, and

(d) which are not included in a four axle group within the meaning of the definition of "four axle group";

"triple axle" means any three consecutive axles that,

(a) have their consecutive centres equally spaced, and

(b) have their consecutive centres more than one metre apart,

and that,

(c) are articulated from an attachment to the vehicle common to the consecutive axles, or

(d) are designed to automatically equalize the load between the three axles under all conditions of loading;

"two axle group" means two consecutive single axles, not including the front axle of a motor vehicle,

(a) that are entirely within either a motor vehicle or trailer or semi-trailer,

(b) in which the spacing between the consecutive axles is less than two metres, and

(c) which are not included in a three axle group within the meaning of the definition of "three axle group" or a four axle group within the meaning of the definition of "four axle group".

114(2) Designation by Minister

114(2) The Minister may designate a highway as a Class A Highway.

114(3) Application of Part

114(3) This Part does not apply to over-dimensional farm vehicles or to motor vehicles or to road-building machines operated by or on behalf of a municipality or other authority having jurisdiction over highways when the vehicle or machine is equipped with a snow clearing device.

114(4) Consecutive axles

114(4) Where three consecutive axles that are articulated from an attachment to the vehicle common to the consecutive axles are not a triple axle within the meaning of the definition of "triple axle" because their consecutive centres are not equally spaced, that one of the three consecutive axles that is most remote from the centre axle of the consecutive axles shall be deemed to be a single axle and the other two axles shall be deemed to be a dual axle.

114(5) Consecutive axles

114(5) Where three consecutive axles that are not articulated from an attachment to the vehicle common to the consecutive axles are not a triple axle within the meaning of the definition of "triple axle" because their consecutive centres are not

equally spaced, any two of the axles that are articulated from an attachment to the vehicle common to the two axles shall be deemed to be a dual axle and the third of the three axles shall be deemed to be a single axle.

114(6) Spacing between axles

114(6) The spacing between axles is the shortest distance between the centre of rotation of one axle and the centre of rotation of the other.

114(7) Axle spacing distance

114(7) For the purposes of Axle Weight Tables 1 [Page 95] and 2 [Page 96], the axle spacing is the distance measured between the outer axles forming an axle unit.

114(8) Axle spacing distance

114(8) For the purposes of Axle Weight Tables 3 [Page 98], 4 [Page 99] and 5 [Page 100], the axle group spacing is the distance measured between the outer axles forming a two axle group, three axle group or four axle group.

115. Restrictions as to weight on tires

115(1) Subject to section 110, no vehicle,

(a) equipped with tires of less than 150 millimetres in width where the weight upon any millimetre in the width of the tire exceeds nine kilograms; or

(b) equipped with tires of 150 millimetres or more in width where the weight upon any millimetre in the width of the tire exceeds eleven kilograms,

shall be operated on a highway.

115(2) How tire width ascertained

115(2) For the purpose of this section, where a tire width has been marked thereon by the manufacturer, the width of the tire shall be deemed to be as so marked.

116. Maximum allowable axle unit weights

116(1) Subject to Section 110, no vehicle or combination of vehicles shall be operated on a Class A Highway where the

axle unit weight on an axle unit, whether or not part of any axle group, exceeds,

(a) for a single axle with single tires, 9,000 kilograms;

(b) for a single axle with dual tires, 10,000 kilograms;

(c) for a dual axle, that weight shown in Column 2 opposite the corresponding axle spacing shown in Column 1 of Axle Weight Table 1 [Page 95]; or

(d) for a triple axle, that weight shown in Column 2 opposite the corresponding axle spacing shown in Column 1 of Axle Weight Table 2 [Page 96].

116(1.1) Other weights set by regulation

116(1.1) The Lieutenant Governor in Council may make regulations prescribing axle unit weight limits other than those specified or referred to in subsection (1) for any prescribed axle unit on any prescribed class or classes of vehicle or combination of vehicles and, for that purpose, prescribing axle units and classes of vehicles and combinations of vehicles.

116(1.2) Where weights set by regulation apply

116(1.2) An axle unit weight limit prescribed under subsection (1.1) applies instead of the weights specified or referred to in subsection (1) for a prescribed axle unit on a vehicle or combination of vehicles in a class prescribed under subsection (1.1).

116(2) Restriction of weights allowed under subs. (1)

116(2) Despite subsection (1), the maximum allowable axle unit weight for a dual axle shall not exceed 18,000 kilograms unless the axle is equipped with dual tires.

116(3) Restriction of weights allowed under subs. (1)

116(3) Despite subsection (1), the maximum allowable axle unit weight for a triple axle shall not exceed 27,000 kilograms unless the axle is equipped with dual tires.

116(4) Restriction of weights allowed under subs. (1)

116(4) Despite subsection (1), the maximum allowable axle unit weight for a single front axle shall not exceed 5,000

kilograms unless the driver of a vehicle or combination of vehicles has with him or her a verification in writing as to the manufacturer's gross axle weight rating for such single front axle.

116(5) Production of verification

116(5) The driver of a vehicle or combination of vehicles being operated on a Class A Highway who has the verification referred to in subsection (4) shall produce it when so demanded by a police officer or an officer appointed for carrying out the provisions of this Act, and, where it is so demanded and not produced, the driver shall be deemed to not have the verification.

116(6) Maximum allowable axle unit weight

116(6) Where subsection (4) does not apply because the driver has the verification referred to in subsection (4), then subject to subsection (1), the maximum allowable axle unit weight on the single front axle shall not exceed the manufacturer's gross axle weight rating.

117. Maximum allowable axle group weights

117(1) Subject to Section 110, no vehicle or combination of vehicles shall be operated on a Class A Highway where any axle group weight exceeds,

(a) for a two axle group, that weight shown in Column 2 opposite the corresponding axle group spacing shown in Column 1 of Axle Weight Table 3 [Page 98];

(b) for a three axle group, that weight shown in Column 2 opposite the corresponding axle group spacing shown in Column 1 of Axle Weight Table 4 [Page 99]; or

(c) for a four axle group, that weight shown in Column 2 opposite the corresponding axle group spacing shown in Column 1 of Axle Weight Table 5 [Page 100].

117(2) Other weights set by regulation

117(2) The Lieutenant Governor in Council may make regulations prescribing axle group weight limits other than those specified or referred to in subsection (1) for any prescribed axle group on any prescribed class or classes of

vehicle or combination of vehicles and, for that purpose, prescribing axle groups and classes of vehicles and combinations of vehicles.

117(3) Where weights set by regulation apply

117(3) An axle group weight limit prescribed under subsection (2) applies instead of the weights specified or referred to in subsection (1) for a prescribed axle group on a vehicle or combination of vehicles in a class prescribed under subsection (2).

118. Maximum allowable gross vehicle weights

118(1) Subject to Section 110, no vehicle or combination of vehicles shall be operated on a Class A Highway where the gross vehicle weight exceeds,

(a) the axle unit weight on the front axle, not exceeding the maximum weight permitted on the axle under Section 116 [Page 154], plus the sum of the maximum allowable weights for all other axle units of the vehicle or combination of vehicles as set out in Section 116;

(b) the axle unit weight on the front axle, not exceeding the maximum weight permitted on the axle under Section 116 [Page 154], plus the sum of the maximum allowable weights for any two axle groups, three axle groups or four axle groups, or any combination thereof, as set out in Section 117 [Page 156], plus the maximum allowable weight for any axle unit or units excluding the front axle and excluding any axle unit or units which are part of an axle group, as set out in Section 116; or

(c) that weight prescribed in the regulations [Page 169].

118(2) Interpretation

118(2) Where subsection (1) refers to a weight under or set out in Section 116 or 117, the reference includes a weight specified by regulation under subsection 116 (1.1) or 117 (2).

119. Raw forest products allowance during freeze-up

119(1) Despite sections 116, 117, 118 and subsection 121 (1), during freeze-up the maximum allowable gross vehicle weight for a vehicle or combination of vehicles, while used exclusively

for the transportation of raw forest products, shall be 110 per cent of that weight for which a permit has been issued for the vehicle or combination of vehicles in accordance with section 7, provided no axle unit weight, axle group weight or gross vehicle weight exceeds by more than 10 per cent that weight prescribed in this Act or the regulations for such vehicle or combination of vehicles.

119(2) Designation of freeze-up

119(2) For the purposes of this section, an official of the Ministry authorized by the Minister in writing may designate the date on which a freeze-up shall commence and the date on which a freeze-up shall terminate and the part of the Province to which the designation shall apply.

119(3) *Regulations Act* does not apply

119(3) A designation under subsection (2) is not a regulation within the meaning of the *Regulations Act*.

119(4) Prohibition

119(4) No vehicle or combination of vehicles having a weight in excess of that authorized in subsection (1) shall be operated on a highway.

120. Prohibition re operation on Class B Highway

120. Subject to section 110, no vehicle or combination of vehicles shall be operated on a Class B Highway where the weight upon one axle exceeds 8,200 kilograms, or, if the axles are spaced less than 2.4 metres apart, where the weight upon one axle exceeds 5,500 kilograms.

121. Operating within permitted weight

121(1) No vehicle or combination of vehicles having a permit issued in accordance with section 7 of this Act, the fee for which is based upon gross vehicle weight, shall be operated on any highway where the gross vehicle weight exceeds that for which the permit was issued.

121(2) Exception to subs. (1)

121(2) Despite subsection (1) and subject to sections 116, 117 and 118, where a conversion unit is used to convert a two

axle tractor into a three axle tractor and the fee prescribed in the regulations in respect of the conversion unit is paid, the vehicle or combination of vehicles to which the conversion unit is attached may operate on a highway at a maximum gross vehicle weight of 7,000 kilograms in excess of the gross vehicle weight for which a permit was issued for the vehicle or combination of vehicles in accordance with section 7 and the Ministry shall issue a receipt for the fee so prescribed and paid. .

121(3) Receipt re excess weight payment to be carried

121(3) The receipt issued by the Ministry in accordance with subsection (2) shall, whenever a vehicle is on a highway with the conversion unit referred to in subsection (2) attached, be carried by the driver of the vehicle or placed in some readily accessible position in the vehicle and shall be surrendered when demanded by a police officer or an officer appointed for carrying out the provisions of this Act or the *Truck Transportation Act*.

121(4) Penalty

121(4) Every person who contravenes subsection (1) is guilty of an offence and on conviction is liable to a fine as if the person had been convicted under section 125 and the Registrar may suspend the permit issued under section 7 for the vehicle or vehicles involved, and the suspension shall continue until a new permit at the maximum gross vehicle weight allowable has been issued for the vehicle or vehicles and the fee therefor has been paid.

122. Weight load

122(1) Subject to section 110, during a reduced load period no commercial motor vehicle or trailer, other than a public vehicle or a vehicle referred to in subsection (2), shall be operated or drawn upon any designated highway where the weight upon an axle exceeds 5,000 kilograms.

122(2) Weight load

122(2) Subject to section 110, during a reduced load period,

(a) no two axle tank-truck, while used exclusively for the transportation of liquid or gaseous heating fuel;

(b) no two axle truck, while used exclusively for the transportation of livestock feed; and

(c) no vehicle transporting live poultry,

shall be operated upon any designated highway where the weight upon an axle exceeds 7,500 kilograms.

122(3) Weight load

122(3) Subject to section 110, during a reduced load period no vehicle having a carrying capacity in excess of 1,000 kilograms, other than a motor vehicle or trailer, shall be operated upon any designated highway where the weight upon any millimetre in the width of a tire exceeds five kilograms.

122(4) Exceptions

122(4) Subsections (1) and (3) do not apply to,

(a) vehicles operated by or on behalf of a municipality or other authority having jurisdiction and control of a highway, where the vehicles are engaged in highway maintenance, including the carriage and application of abrasives or chemicals to the highway, the stockpiling of abrasives or chemicals for use on a highway, or the removal of snow from a highway;

(b) vehicles used exclusively for the transportation of milk;

(c) fire apparatus;

(d) vehicles operated by or on behalf of a municipality transporting waste; or

(e) public utility emergency vehicles.

122(5) Designation

122(5) An official of the Ministry authorized by the Minister in writing may designate the date on which a reduced load period shall start or end and the King's Highway or highway in territory without municipal organization, or portion thereof, to which the designation applies.

122(6) *Regulations Act* does not apply

122(6) A designation under subsection (5) is not a regulation within the meaning of the *Regulations Act*.

122(7) Designation by municipality

122(7) The municipal corporation or other authority having jurisdiction over a highway may by by-law designate the date on which a reduced load period shall start or end and the highway or portion thereof under its jurisdiction to which the designation applies.

123. Regulations limiting weight on bridges

123(1) The Minister may make regulations limiting the gross vehicle weight of any vehicle or any class thereof passing over a bridge forming part of the King's Highway or a highway in territory without municipal organization and notice of the limit of the weights fixed by the regulation, legibly printed, shall be posted up in a conspicuous place at each end of the bridge.

123(2) By-laws limiting weight on bridges

123(2) The municipal corporation or other authority having jurisdiction over a bridge may by by-law limit the gross vehicle weight of any vehicle or any class thereof passing over the bridge, and the requirements of subsection (1) with respect to the posting up of notice apply thereto.

123(3) Same, on connecting links

123(3) Despite subsection (2), where the bridge forms part of a highway designated as a connecting link under subsection 21 (1) of the *Public Transportation and Highway Improvement Act*, the by-law shall not become operative until it is approved by the Ministry.

123(4) Regulations

123(4) The Minister may make regulations establishing standards to determine allowable gross vehicle weight for any vehicle or class of vehicle for the purpose of subsection (2).

124. Power of officer to have load weighed

124(1) Where a police officer or officer appointed for carrying out the provisions of this Act has reasonable and probable

grounds to believe that the gross vehicle weight of a vehicle or combination of vehicles is in excess of the limits permitted under this Act or the regulations or a permit issued for the vehicle or combination of vehicles, he or she may weigh the same, by means of either portable or stationary scales, and may require that the vehicle or combination of vehicles be driven to the nearest weigh scales.

124(2) Production of inventory

124(2) Subsection (1) does not apply where the driver of a commercial motor vehicle produces an inventory showing the true gross vehicle weight of the vehicle or combination of vehicles.

124(3) Power of officer to have load weighed

124(3) Where a police officer or officer appointed for carrying out the provisions of this Act has reasonable and probable grounds to question the validity of any documents produced in accordance with subsection (2), or to believe the axle unit weight or axle group weight of a vehicle or combination of vehicles is in excess of the limits permitted under this Act or the regulations or a permit issued for the vehicle or combination of vehicles, he or she may weigh the same, by means of either portable or stationary scales, and may require that the vehicle or combination of vehicles be driven to the nearest weigh scales.

124(4) Power of officer to measure axle space

124(4) To determine whether the gross vehicle weight, axle unit weight or axle group weight of any vehicle or combination of vehicles is in excess of the limits permitted under this Act or the regulations or the permit issued for the vehicle or combination of vehicles, the police officer or officer appointed for carrying out the provisions of this Act may conduct the examination that is necessary to ascertain the distance between the axles of the vehicle or combination of vehicles.

124(5) Power of officer to require part of load removed or redistributed

124(5) Where it is found that the gross vehicle weight, axle unit weight or axle group weight of any vehicle or combination

of vehicles is in excess of the limits permitted under this Act or the regulations, or the permit issued for the vehicle or combination of vehicles, the police officer or officer appointed for carrying out the provisions of this Act may require the driver to redistribute or remove so much of the load as is necessary to ensure compliance with this Act, the regulations and the permit.

124(6) Penalty

124(6) Every driver who, when required under subsection (1) or (3) to proceed to a weigh scale, refuses or fails to do so is guilty of an offence and on conviction is liable to a fine of not less than $200 and not more than $1,000 and to the suspension of his or her driver's licence for a period of not more than thirty days. R.S.O. 1990, c. H.8, s. 124 (1-6).

124(6.1) Penalty - commercial motor vehicle

124(6.1) Despite subsection (6), every driver of a commercial motor vehicle within the meaning of subsection 16 (1) who, when required under subsection (1) or (3) to proceed to a weigh scale, refuses or fails to do so is guilty of an offence and on conviction is liable to a fine of not less than $200 and not more than $20,000 and to the suspension of his or her driver's licence for a period of not more than 30 days.

124(7) Penalty - commercial motor vehicle

124(7) Every driver who,

(a) when required under subsection (5) to redistribute or remove part of a load refuses or fails to do so or to make arrangements to do so; or

(b) obstructs any weighing, measuring or examination authorized by this section,

is guilty of an offence and on conviction is liable to a fine of not less than $100 and not more than $200.

124(8) Penalty - commercial motor vehicle

124(8) Despite subsection (7), every driver of a commercial motor vehicle within the meaning of subsection 16 (1), who,

(a) when required under subsection (5) to redistribute or remove part of a load refuses or fails to do so or to make arrangements to do so; or

(b) obstructs any weighing, measuring or examination authorized by this section,

is guilty of an offence and on conviction is liable to a fine of not less than $200 and not more than $20,000.

125. Offence and penalty

125(1) Every person who contravenes subsection 115 (1), section 116, 117 or 118, subsection 119 (4), section 120 or subsection 122 (1), (2) or (3) or a regulation made under subsection 123 (1) or a by-law made under subsection 123 (2) is guilty of an offence and on conviction is liable to a fine of,

(a) $5 per 100 kilograms, or part thereof, for any weight in excess of that permitted under this Act or the regulations, where the overweight is less than 2,500 kilograms, but in no case shall the fine be less than $100;

(b) $10 per 100 kilograms, or part thereof, for any weight in excess of that permitted under this Act or the regulations, where the overweight is 2,500 kilograms or more but is less than 5,000 kilograms;

(c) $12 per 100 kilograms, or part thereof, for any weight in excess of that permitted under this Act or the regulations, where the overweight is 5,000 kilograms or more but is less than 7,500 kilograms;

(d) $15 per 100 kilograms, or part thereof, for any weight in excess of that permitted under this Act or the regulations, where the overweight is 7,500 kilograms or more but is less than 10,000 kilograms;

(e) $20 per 100 kilograms, or part thereof, for any weight in excess of that permitted under this Act or the regulations, where the overweight is 10,000 kilograms or more but is less than 15,000 kilograms; and

(f) $25 per 100 kilograms, or part thereof, for any weight in excess of that permitted under this Act or the

regulations, where the overweight is 15,000 kilograms or more.

125(2) Circumstances where additional fines apply

125(2) A person is liable to a fine, in addition to any fine to which the person is liable under subsection (1) or clause 110.2 (3) (b) or (c), of not less than $200 and not more than $1,000, under the circumstances set out in subsection (3) or (4) unless the vehicle involved belongs to a class of vehicles or combination of vehicles prescribed by the regulations.

125(3) Circumstances where additional fines apply

125(3) A person is liable in accordance with subsection (2) if,

(a) a liftable axle on a vehicle or combination of vehicles is lifted; and

(b) the person is convicted of an offence under subsection (1) or clause 110.2 (3) (b) or (c),

unless,

(c) the offence occurred while the vehicle or combination of vehicles was reversing;

(d) there were no wheels on the axle;

(e) the axle was lifted in compliance with a regulation; or

(f) the axle was reasonably required to be lifted in order to prepare for and carry out completely a safe turn at an intersection or onto or off a highway ramp.

125(4) Circumstances where additional fines apply

125(4) A person is liable in accordance with subsection (2) if,

(a) the person is convicted of an offence referred to in subsection (1) or clause 110.2 (3) (b) or (c); and

(b) a liftable axle on the vehicle or combination of vehicles was deployed in such an improper manner that it caused or aggravated the offence.

126. Overloading by consignor

126. Every consignor of goods, or the consignor's agent or employee, who causes a vehicle or combination of vehicles not owned by the consignor to be loaded so that when operated on a highway,

(a) the weight on any millimetre in the width of the tire exceeds a limit set out in subsection 115 (1) or in the regulations;

(b) the axle unit weight on an axle unit exceeds a limit set out in Section 116 or 119 or in the regulations;

(c) an axle group weight exceeds a limit set out in Section 117 or 119 or in the regulations;

(d) the gross vehicle weight exceeds a limit set out in Section 118 or 119 or in the regulations; or

(e) the gross vehicle weight exceeds the gross vehicle weight specified in a permit referred to in Section 121,

is guilty of an offence and on conviction is liable to a fine as if the consignor had been convicted under Section 125.

127. Regulations

127. The Lieutenant Governor in Council may make regulations,

(a) describing purposes and circumstances for the purposes of clause 110.1 (2) (d);

(b) prescribing other means of giving notice for the purposes of subsections 110.3 (3) and 110.4 (3), prescribing rules in relation to giving notice by such means and prescribing the day on which notice shall be deemed to have been received when such means are used;

(c) prescribing maximum allowable gross vehicle weights for the purposes of Section 118;

(d) exempting classes of vehicles or combinations of vehicles from any provision of this Part and prescribing the weights that are applicable to the exempted vehicles;

(e) exempting classes of vehicles or combinations of vehicles for the purposes of subsection 125 (2);

(f) specifying vehicles or combinations of vehicles to which Section 118 does not apply and prescribing an alternative means of calculating maximum allowable gross weight;

(g) prescribing maximum allowable weight on a part of a vehicle or combination of vehicles, including weight on a vehicle that forms part of a combination of vehicles;

(a) prescribing maximum allowable loads on vehicles or components of vehicles consistent with the vehicle manufacturer's ratings for the vehicle or components;

(b) providing for the identification and marking of vehicles or any class or classes of vehicle and specifying what class of persons may make such an identification or marking.

11. REGULATION 597 – VEHICLE AND AXLE WEIGHTS

Regulation made under

Part VIII of the Highway Traffic Act

This Chapter reproduces the full text of Regulation 597, which deals with:

- Allowable gross weight for vehicles and combinations of vehicles;
- Allowable gross weight for aggregate vehicles;
- Configurations for Self-steer Triaxle and Self-steer Quad semi-trailers;
- Reductions in allowable gross weight for certain tri-axle semi-trailers; and
- Increases in allowable weight for certain tandem and tridem axles.

The regulation includes 29 tables for allowable gross weight on vehicles. For convenience, these have been placed in Chapter 8 [Page 101], and do not appear in this Chapter.

1. Definitions

1. In this Regulation,

"aggregate vehicle" means a vehicle or combination of vehicles that is designed for dumping or spreading of sand, gravel, crushed or uncut rock, asphalt, slag, rubble, or any mixture thereof and that is transporting a load consisting mostly of any of these materials;

"axle spread" means the longitudinal distance between the centres of the foremost and rearmost axles of an axle unit;

"base length" means the distance measured between the centres of the first axle of the front axle of a vehicle or combination of vehicles and the last axle of a vehicle or combination of vehicles;

"carbon dioxide tank semi-trailer" means a triaxle tank semi-trailer that is in carbon dioxide service and that,

(a) was built to Transport Canada specification TC331 or United States Department of Transportation specification MC331, and

(b) bears the appropriate specification number on the compliance label or manufacturer's identification plate affixed to the vehicle;

"cryogenic tank semi-trailer" means a tank semi-trailer that was built to Canadian Gas Association specification CGA341 or Transport Canada specification TC341 and bears the appropriate specification number on the compliance label or manufacturer's identification plate affixed to the vehicle;

"effective overhang" means the longitudinal distance from the centre of the tandem axle, in the case of a self-steer triaxle semi-trailer, or from the centre of the tridem axle, in the case of a self-steer quad semi-trailer, to its rearmost point, including any load;

"end dump semi-trailer" means a semi-trailer to which is permanently attached a body or box that is hinged and can be raised to dump from the rear of the semi-trailer;

"front axle weight" for,

(a) an aggregate vehicle means,

(i) for a single front axle, the maximum weight permitted under Section 116 [Page 154] of the Act for a single axle,

(ii) for a dual front axle, one-half the maximum weight permitted under Section 116 of the Act for a dual axle, and

(iii) for a triple front axle, one-third the maximum weight permitted under Section 116 of the Act for a triple axle, and

(b) a vehicle or combination of vehicles that is not an aggregate vehicle means,

(i) for a single front axle, the axle unit weight on the front axle, or, if that weight is more than the maximum weight permitted for a single axle under Section 116 [Page 154] of the Act, the maximum weight permitted for a single axle under Section 116 of the Act,

(ii) for a dual front axle, one-half of the axle unit weight on the dual front axle, or, if that weight is more than one-half of the maximum weight permitted for a dual axle under Section 116 of the Act, one-half of the maximum weight permitted for a dual axle under Section 116 of the Act,

(iii) for a triple front axle, one-third of the axle unit weight for the triple front axle, or, if that weight is more than one-third of the maximum weight permitted for a triple axle under Section 116 of the Act, one-third of the maximum weight permitted for a triple axle under Section 116 of the Act;

"inter-axle spacing" means the longitudinal distance separating two consecutive axle units within a vehicle or combination of vehicles, measured from the centre of the rearmost axle of the foremost axle unit to the centre of the foremost axle of the other axle unit;

"inter-vehicle-unit distance", for a combination of vehicles, means the lesser of,

(a) the distance between the centres of the last axle of the motor vehicle or road building machine and the first axle of the towed vehicle, and

(b) the distance between the centres of the last axle of the first towed vehicle and the first axle of the second towed vehicle;

"intra-vehicle-unit distance", for a five or six axle vehicle without a towed vehicle, means the greater of,

(a) the distance between the centres of the second and third axles from the front of the vehicle, and

(b) the distance between the centres of the third and fourth axles from the front of the vehicle;

"number of axles" means the total number of axles on a vehicle or combination of vehicles that are transmitting weight to the highway.

"self-steering axle" means an assembly of two or more wheels whose centres are in one transverse vertical plane and whose wheels can articulate in response to forces generated between the tires and the road or through mechanisms and linkages that operate independently of the driver;

"single semi-trailer" means a semi-trailer that is the only trailer in a tractor-trailer combination;

"tag-axle tank semi-trailer" means a tank semi-trailer.

(a) that is not more than 14.65 metres in length,

(b) that is equipped with a rear single axle and a front tandem axle, whose interaxle spacing is more than 2.5 metres,

(c) whose single axle,

(i) is a self-steering axle capable of turning 20 degrees in either direction, and

(ii) is not a liftable axle, and

(d) whose axles automatically load equalize;

"tandem axle" means a dual axle that does not include a liftable axle or a self-steering axle and that has the same number of tires on each wheel;

"tank semi-trailer" means a triaxle semi-trailer that is permanently attached to a closed tank having a capacity of 2.3 kiloliters or more;

"tractor" means a commercial motor vehicle designed to draw one or more semi-trailers to which it is coupled by means of a fifth wheel assembly;

"triaxle semi-trailer" means any three-axle single semi-trailer that does not have a tridem axle;

"tridem axle" means a triple axle that does not include a liftable axle or a self-steering axle and that has the same number of tires on each wheel;

"wheelbase" means the longitudinal distance from the centre of the kingpin to the centre of the tandem or tridem axle of the semi-trailer, as the case may be.

2. Allowable Gross Vehicle Weights

2(1) For the purposes of Section 118 [Page 157] of the Act and subsection 3(2) [Page 178] of this Regulation, the maximum allowable gross weight for a vehicle or combination of vehicles with,

1. three axles is as prescribed in Gross Weight Table 1 [Page 102];
2. four axles is as prescribed in Gross Weight Table 2 [Page 103];
3. five axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of less than 2.40 metres, is as prescribed in Gross Weight Table 3 [Page 104];
4. five axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of 2.40 metres to less than 2.70 metres, is as prescribed in Gross Weight Table 4 [Page 105];

5. five axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of 2.70 metres to less than 3.00 metres, is as prescribed in Gross Weight Table 5 [Page 106];

6. five axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of 3.00 metres to less than 3.30 metres, is as prescribed in Gross Weight Table 6 [Page 107];

7. five axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of 3.30 metres to less than 3.60 metres, is as prescribed in Gross Weight Table 7 [Page 108];

8. five axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of 3.60 metres or more, is as prescribed in Gross Weight Table 8 [Page 109];

9. six axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of less than 2.10 metres, is as prescribed in Gross Weight Table 9 [Page 110];

10. six axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of 2.10 metres to less than 2.40 metres, is as prescribed in Gross Weight Table 10 [Page 111];

11. six axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of 2.40 metres to less than 2.70 metres, is as prescribed in Gross Weight Table 11 [Page 112];

12. six axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of 2.70 metres to less than 3.00 metres, is as prescribed in Gross Weight Table 12 [Page 113];

13. six axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of 3.00 metres to less than 3.30 metres, is as prescribed in Gross Weight Table 13 [Page 114];

14. six axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of 3.30 metres to less than

3.60 metres, is as prescribed in Gross Weight Table 14 [Page 115];

15. six axles, and having an inter-vehicle-unit distance or intra-vehicle-unit distance of 3.60 metres or more, is as prescribed in Gross Weight Table 15 [Page 116];

16. seven axles, and having an inter-vehicle-unit distance of less than 2.10 metres, is as prescribed in Gross Weight Table 16 [Page 117];

17. seven axles, and having an inter-vehicle-unit distance of 2.10 metres to less than 2.40 metres, is as prescribed in Gross Weight Table 17 [Page 118];

18. seven axles, and having an inter-vehicle-unit distance of 2.40 metres to less than 2.70 metres, is as prescribed in Gross Weight Table 18 [Page 119];

19. seven axles, and having an inter-vehicle-unit distance of 2.70 metres to less than 3.00 metres, is as prescribed in Gross Weight Table 19 [Page 120];

20. seven axles, and having an inter-vehicle-unit distance of 3.00 metres to less than 3.30 metres, is as prescribed in Gross Weight Table 20 [Page 121];

21. seven axles, and having an inter-vehicle-unit distance of 3.30 metres to less than 3.60 metres, is as prescribed in Gross Weight Table 21 [Page 122];

22. seven axles, and having an inter-vehicle-unit distance of 3.60 metres or more, is as prescribed in Gross Weight Table 22 [Page 123];

23. eight or more axles, and having an inter-vehicle-unit distance of less than 2.10 metres, is as prescribed in Gross Weight Table 23 [Page 124];

24. eight or more axles, and having an inter-vehicle-unit distance of 2.10 metres to less than 2.40 metres, is as prescribed in Gross Weight Table 24 [Page 125];

25. eight or more axles, and having an inter-vehicle-unit distance of 2.40 metres to less than 2.70 metres, is as prescribed in Gross Weight Table 25 [Page 126];

26. eight or more axles, and having an inter-vehicle-unit distance of 2.70 metres to less than 3.00 metres, is as prescribed in Gross Weight Table 26 [Page 127];

27. eight or more axles, and having an inter-vehicle-unit distance of 3.00 metres to less than 3.30 metres, is as prescribed in Gross Weight Table 27 [Page 128];

28. eight or more axles, and having an inter-vehicle-unit distance of 3.30 metres to less than 3.60 metres, is as prescribed in Gross Weight Table 28 [Page 129];

29. eight or more axles, and having an inter-vehicle-unit distance of 3.60 metres or more, is as prescribed in Gross Weight Table 29 [Page 130].

2(2) For the purposes of Section 118 [Page 157] of the Act and subsection 3 (2) of this Regulation and despite paragraphs 3 to 8 of subsection 2 (1) of this Regulation, the maximum allowable gross vehicle weight for a combination of vehicles consisting of a commercial motor vehicle with two single axles, a semi-trailer with one axle and a trailer with two single axles is as prescribed in Gross Weight Table 8 [Page 109].

2(3) For the purposes of Section 118 [Page 157] of the Act and subsection 3 (2) of this Regulation and despite paragraphs 16 to 29 of subsection 2 (1) of this Regulation, the maximum allowable gross vehicle weight for a seven axle vehicle without a towed vehicle is as prescribed in Gross Weight Table 16 [Page 117] and for an eight or more axle vehicle without a towed vehicle is as prescribed in Gross Weight Table 23 [Page 124].

2(4) If the gross weight transmitted to the highway by the rearmost vehicle of a combination of vehicles is not at least 5 per cent of the gross weight of the combination of vehicles, the axles of the rearmost vehicle are not included in calculating the base length and the number of axles when determining the maximum allowable gross weight of the combination of vehicles under subsection (1), but the gross weight of the rearmost vehicle is added to the maximum allowable gross weight of the combination of vehicles, as determined by the applicable table.

2(5) If a calculation for a maximum gross allowable weight to which subsection (4) applies produces a result greater than 63,500 kilograms, the maximum allowable gross weight is 63,500 kilograms.

3. Aggregate Vehicles

3(1) Aggregate vehicles are designated as a class of vehicles that is exempt from clauses 118(1)(a) and (b) [Page 157] of the Act.

3(2) An aggregate vehicle shall not be operated on a Class A Highway if the gross vehicle weight exceeds, in the case of a two axle aggregate vehicle, the result when 1,000 kilograms is subtracted from, or, in the case of an aggregate vehicle of three or more axles, the result when 1,500 kilograms is subtracted from,

(a) the maximum weight permitted on the front axle under Section 116 [Page 154] of the Act plus the sum of the maximum allowable weights for all other axle units of the vehicle or combination of vehicles as set out in Section 116 of the Act;

(b) the maximum weight permitted on the front axle under Section 116 of the Act plus the sum of the maximum allowable weights for any two axle groups, three axle groups or four axle groups, or any combination thereof, as set out in Section 117 [Page 156] of the Act plus the maximum allowable weight for any axle unit or units excluding any axle unit or units that are part of an axle group, as set out in Section 116 of the Act; or

(c) the maximum allowable gross weight prescribed in section 2 [Page 174].

3(3) For the purpose of calculating the maximum allowable gross weight of an aggregate vehicle powered by a tractor, and despite the definition of "front axle weight" in section 1, the front axle weight of the aggregate vehicle shall not exceed 6,500 kilograms.

4. Self-Steer Triaxle Semi-Trailer

4(1) For the purposes of sections 6. 8 and 9, a semi-trailer is a self-steer triaxle semi-trailer if,

(a) the combination of vehicles of which it forms part meets the description shown in Figure 1;

(b) the tractor is as described in subsection (2);

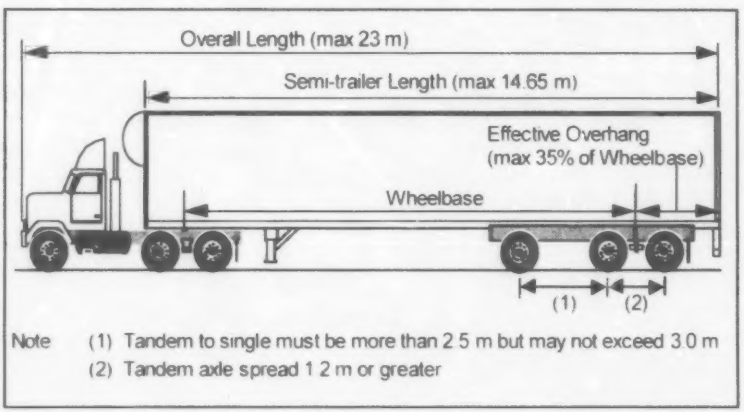
(c) the semi-trailer is as described in subsection (3); and

(d) the semi-trailer shows evidence of,

(i) compliance under subsection (4) with respect to its manufacture, or

(ii) compliance under subsection (5) with respect to its conversion.

Figure 1: Tractor Self-Steer Triaxle Semi-Trailer



Note (1) Tandem to single must be more than 2 5 m but may not exceed 3.0 m
(2) Tandem axle spread 1 2 m or greater

4(2) The tractor has the following characteristics:

1. It has a front axle equipped with single tires and a rear tandem axle that has an axle spread of 1.2 to 1.85 metres.

2. It is not equipped with a liftable axle or a self-steering axle, whether raised, lowered or rendered inoperative.

3. If the single axle of the semi-trailer is liftable, the tractor,

   i. is not equipped with nor does it contain any device, whether remote or manual, that would allow the liftable axle to be controlled by the driver, and

   ii. is not equipped with automatic controls that activate other than when reversing.

4(3) The semi-trailer has the following characteristics:

1. It does not exceed 14.65 metres in length.
2. It has three axles, consisting of a front single axle and a rear tandem axle.
3. The inter-axle spacing between the single axle and the tandem axle is more than 2.5 metres but not more than 3 metres.
4. The single axle is a self-steering axle and is capable of turning 20 degrees in either direction.
5. The tandem axle has an axle spread of at least 1.2 metres.
6. The three axles automatically load equalize when the single axle is deployed.
7. The effective overhang does not exceed 35% of the semi-trailer's wheelbase.
8. If section 6 provides that it is to have a rear impact guard, it is equipped with a rear impact guard that meets the requirements of section 6.
9. If the single axle of the semi-trailer is liftable, the semi-trailer may be equipped with manual controls but may not be equipped with automatic controls that activate other than when reversing.

4(4) The semi-trailer bears its original compliance label and the notation "Reg 597(Ont) – 3", signifying that the semi-trailer was manufactured to the specifications in subsection (3), is on that label or the semi-trailer's manufacturer's identification plate.

4(5) If the semi-trailer was not manufactured to the specifications in subsection (3),

(a) it has been converted by a company authorized under the *Motor Vehicle Safety Act* (Canada) to apply a national safety mark or by an authorized dealer of such a company;

(b) the person who converted it placed a label adjacent to the original compliance label indicating revised gross vehicle and axle weight ratings; and

(c) the notation "Reg 597(Ont) – 3", signifying that the trailer was convened to the specifications in subsection (3), is on that label.

5. Self-Steer Quad Semi-Trailer

5(1) For the purposes of sections 6, 7 and 10, a semi-trailer is a self-steer quad semi-trailer if,

(a) the combination of vehicles of which it forms part meets the description shown in Figure 2,

(b) the distance between the rear axle of the tractor and the single axle of the trailer is as described in subsection (2);

(c) the tractor is as described in subsection (3); and

(d) the semi-trailer shows evidence of,

(i) compliance under subsection (4) with respect to its manufacture, or

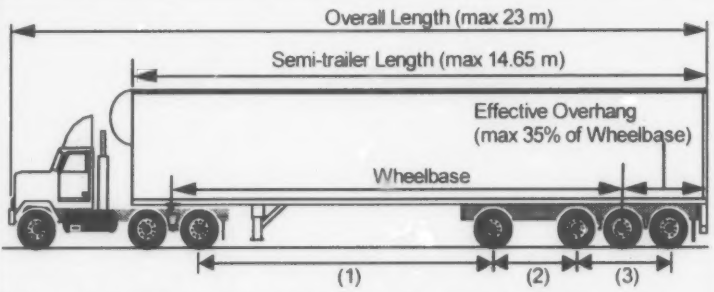
(ii) compliance under subsection (5) with respect to its conversion.

5(2) The distance between the rear axle of the tractor and the single axle of the trailer is,

(a) at least 6 metres, if the axle spread of the tridem axle of the semi-trailer is at least 3 metres and less than 3.6 metres; and

(c) at least 5.5 metres, if the axle spread of the tridem axle of the semi-trailer is at least 3.6 metres and not more than 3.7 metres.

Figure 2: Tractor Self-Steer Quad Semi-Trailer



Note: (1) If tridem spread is 3.0 to less than 3.6 m, inter-axle spacing must be 6.0 m or more.
If tridem spread is 3.6 to 3.7 m, inter-axle spacing must be 5.5 m or more.
(2) Tridem to single must be more than 2.5 m but may not exceed 3.0 m
(3) Tridem axle spread from 3.0 to 3.7 m

5(3) The tractor has the following characteristics:

1. It has a front axle equipped with single tires and a rear tandem axle that has an axle spread of at least 1.2 metres and not more than 1.85 metres.
2. It is not equipped with a liftable axle or a self-steering axle, whether, raised, lowered or rendered inoperative.
3. If the single axle of the semi-trailer is liftable, the tractor,
   i. is not equipped with nor does it contain any device, whether remote or manual, that would allow the liftable axle to be controlled by the driver, and
   ii. is not equipped with automatic controls that activate other than when reversing.

5(4) The semi-trailer has the following characteristics:

1. Its length does not exceed 14.65 metres.
2. It has four axles, consisting of a front single axle and a rear tridem axle.
3. The inter-axle spacing between the single axle and the tridem axle is more than 2.5 metres but not more than 3 metres.

4. The single axle is a self-steering axle and is capable of turning 20 degrees in either direction.

5. If the single axle is equipped with single tires, the width is imprinted on each of them and is at least,

   i. 365 mm, if the axle spread of the tridem axle is at least 3 metres and less than 3.6 metres, or

   ii. 385 mm, if the axle spread of the tridem axle is at least 3.6 and nor more than 3.7 metres.

6. The tridem axle has an axle spread of at least 3 metres and not more than 3.7 metres.

7. The four axles automatically load equalize when the single axle is deployed.

8. The effective overhang does not exceed 35% of the semi-trailer's wheelbase.

9. If it is required under section 6 to have a rear impact guard, it is equipped with a rear impact guard that meets the requirements of that section.

10. If the single axle of the semi-trailer is liftable, the semi-trailer may be equipped with manual controls but may not be equipped with automatic controls that activate other than when reversing.

11. It is equipped with,

    i. a device that accurately displays the total weight on the trailer axles in kilograms, or

    ii. a device and a table or chart, from the combined use of which the total weight on the trailer axles in kilograms may be readily and accurately obtained.

5(5) The semi-trailer bears its original compliance label and the notation "Reg 597 (Ont) - 4", signifying that the semi-trailer was manufactured to the specifications set out in subsection (4), is on that label or the semi-trailer's manufacturer's identification plate.

5(6) If the semi-trailer was not manufactured to the specifications set out in subsection (4),

(a) it has been converted by a company authorized under the *Motor Vehicle Safety Act* (Canada) to apply a national safety mark or by an authorized dealer of such a company;

(b) that person placed a label adjacent to the original compliance label indicating revised gross vehicle and axle weight ratings; and

(c) that label includes the notation "Reg 597 (Ont) – 4", signifying that the trailer was converted to the specifications in subsection (4).

6. Rear Impact Guards

6(1) This section applies with respect to every self-steer triaxle semi-trailer described in section 4 and every self-steer quad semi-trailer described in section 5,

(a) that has an axle unit that can slide or is fixed so that the rear of the rearmost tire is more than 0.3 metres in from of the rear of the trailer; and

(b) whose rear structure is more than 0.56 metres above the ground when the trailer is unladen on a level surface.

6(2) The trailer shall be equipped with a rear impact guard that consists of a single horizontal beam that is rigidly attached to the trailer and that,

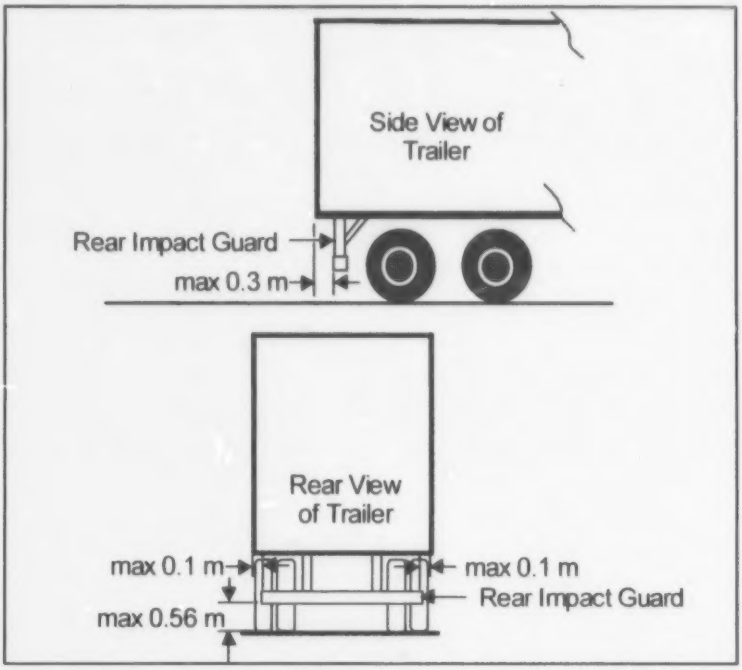
(a) extends to within 0.1 metres of each side of the trailer;

(b) is not more than 0.3 metres in front of the rear of the trailer and is as close to its rear as practicable; and

(c) is not more than 0.56 metres above the ground when the trailer is unladen on a level surface.

6(3) A rear impact guard on a trailer, as shown in Figure 3, that is manufactured after January 26, 1998 shall meet the standards for such a guard under United States Federal Motor Vehicle Safety Standard 224, which became effective on January 26, 1998 or a corresponding standard, if any, under the *Motor Vehicle Safety Act* (Canada).

Figure 3: Rear Impact Guard Requirements



7. Tire Exemption

7. The tires of the single axle of a self-steer quad semi-trailer are exempt from Section 115 [Page 154] of the Act if they are single tires and comply with paragraph 5 of subsection 5(4).

8. Triaxle Semi-Trailer Weight Reductions

8(1) Maximum allowable gross vehicle weights for the purposes of Section 118 [Page 157] for combinations of vehicles referred to in subsections (2), (3) and (4) shall be determined by subtracting the amounts in subsections (2), (3) and (4) from the lowest of the following amounts:

1. The maximum weight permitted on the front axle under Section 116 [Page 154] of the Act plus the sum of the maximum allowable weights for all other axle units of the combination of vehicles determined under Section 116 of the Act.

2. The maximum weight permitted on the front axle under Section 116 [Page 154] of the Act plus the sum of the maximum allowable weights for any two axle groups or three axle groups, or any combination thereof, as set out in Section 117 [Page 156] of the Act plus the maximum allowable weight of any axle unit or units excluding any axle unit or units that are part of axle group, as determined under Section 116 of the Act.

3. The maximum allowable gross weight prescribed in section 2.

8(2) Effective January 1, 2006, 3000 kilograms shall be subtracted when the combination of vehicles includes a single semi-trailer that is a triaxle semi-trailer unless it is,

(a) a self-steer triaxle semi-trailer;

(b) an end dump semi-trailer;

(c) a carbon dioxide tank semi-trailer;

(d) a cryogenic tank semi-trailer; or

(e) a tag-axle tank semi-trailer.

8(3) Effective January 1, 2011, 4500 kilograms shall be subtracted when the combination of vehicles includes a single semi-trailer that is a triaxle semi-trailer unless it is a self-steer triaxle semi-trailer, an end dump semi-trailer or any type of tank semi-trailer.

8(4) Effective January 1, 2021, 4500 kilograms shall be subtracted when the combination of vehicles includes a single semi-trailer that is a tank semi-trailer unless it is a self-steer triaxle semi-trailer.

8(5) In this section, a combination of vehicles which is subject to a reduction of maximum allowable gross vehicle weight shall remain subject to that reduction unless the amount of the reduction is increased.

9. Tandem Axle Weight Increases

9(1) Tandem axles with an axle spread of at least 1.2 metres and less than 1.6 metres are prescribed axle units for the

purposes of Section 116 [Page 154] of the Act when they form part of,

(a) a three axle tractor that has both a front single axle equipped with single tires and a rear tandem axle, but does not have a liftable axle or self-steering axle whether raised, lowered or rendered inoperative;

(b) a single semi-trailer that has no other axles deployed; or

(c) a self-steer triaxle semi-trailer.

9(2) Instead of the maximum allowable axle unit weights specified in Axle Weight Table 1 [Page 95] to Part VIII of the Act, the prescribed weight for the axle units prescribed in subsection (1) is 18,000 kilograms.

10. Self-Steer Quad Tridem Axle Increases

10(1) Tridem axles with an axle spread of at least 3 metres and not more than 3.7 metres are prescribed for the purposes of Section 116 [Page 154] of the Act when they form part of a self-steer quad semi-trailer whose single axle is deployed.

10(2) Instead of the maximum allowable axle unit weights specified in Axle Weight Table 2 [Page 96] to Part VIII of the Act, the prescribed weights for the axle units prescribed in subsection (1) are.

(a) 24,000 kilograms, if the axle spread is at least 3 metres and less than 3.6 metres; and

(b) 25,500 kilograms, if the axle spread is at least 3.6 metres and not more than 3.7 metres.

11. Other Tridem Axle Weight Increases

11(1) Tridem axles with an axle spread of at least 3 metres and not more than 3.7 metres are prescribed for the purposes of section 116 of the Act when they form part of a single semi-trailer that has no other axles deployed.

11(2) From January 1, 2001 until December 31, 2005, instead of the maximum allowable axle unit weights specified in Axle Weight Table 2 [Page 96] to Part VIII of the Act, the prescribed weight for the axle units prescribed in subsection (1) with an

axle spread of at least 3.6 metres and not more than 3.7 metres is 25,500 kilograms.

11(3) Effective January 1, 2006, instead of the maximum allowable axle unit weights specified in Axle Weight Table 2 to Part VIII of the Act [Page 96], the prescribed weights for the axle units prescribed in subsection (1) are,

(a) 24,000 kilograms, if the axle spread is at least 3 metres and less than 3.6 metres; and

(b) 26,000 kilograms, if the axle spread is at least 3.6 and not more than 3.7 metres.

12. REGULATION 32/94 – VEHICLE CONFIGURATIONS

Regulation made under Part VII of the Highway Traffic Act

This Chapter reproduces the full text of Regulation 32/94, which prescribes configurations, dimensions and weights for:

- A tractor-semi-trailer with a semi-trailer over 14.65 m in length;
- An A-train double with an overall length over 23 m;
- A B- or C-train double with a box length over 18.5 m or an overall length over 23 m; and
- An inter-city bus whose length exceeds 12.5 m.

Any vehicle of one of these configurations and dimensions that complies with all conditions of 1999 edition of the national Memorandum of Understanding on Vehicle Weights and Dimensions (M.o.U.) must also comply with additional requirements of Regulation 32/94. The full text of the M.o.U. may be found at

http://www.comt.ca/english/programs/trucking/MOU99.pdf.

1. In this Regulation,

"axle spread" means the longitudinal distance between the centres of the foremost and rearmost axles of an axle unit;

"bed length" means the external measurement of a trailer from the front of its cargo carrying space to the rear of its cargo carrying space, but excluding any portion of auxiliary equipment or machinery that extends beyond the front of the trailer and that is not designed for the transportation of goods;

"effective overhang" means the longitudinal distance from the turn centre of the trailer to its rearmost point, including any load;

"fifth wheel assembly" means a plate-type coupling device comprised of a kingpin, locking jaws and plates whose lower half is mounted on the rear portion of a vehicle frame or the frame of a trailer converter dolly and whose upper half is fastened to the underside of the forward portion of a semi-trailer for the purpose of supporting and towing the semi-trailer;

"full trailer" means a trailer designed so that its own weight and any load are carried on its own axles and includes a combination consisting of a semi-trailer and a trailer converter dolly;

"inter-axle spacing" means the longitudinal distance separating two consecutive axle units within a vehicle or combination of vehicles, measured from the centre of the rearmost axle of the foremost axle unit to the centre of the foremost axle of the other axle unit;

"liftable axle" means an assembly of two or more wheels whose centres are in one transverse vertical plane that is equipped with a device for altering (other than by longitudinal movement of the assembly only) the weight transmitted to the highway surface and that may be able to lift its tires from contact with that surface;

"self-steering axle" means an assembly of two or more wheels whose centres are in one transverse vertical plane and whose wheels can articulate in response to forces generated

between the tires and the road or through mechanisms and linkages that operate independently of the driver;

"swing radius" means the greatest horizontal distance from the vertical axis through the centre of the kingpin to any point on the semi-trailer ahead of the kingpin, including load and any extension to the length caused by auxiliary equipment or machinery;

"tandem axle" means a "dual axle" as defined in Part VIII that does not include a liftable axle or a self-steering axle and that has the same number of tires on each wheel;

"track width" means the width of an axle across the outside faces of the tires measured at any point above the lowest point of the rim;

"tridem axle" means a "triple axle" as defined in Part VIII that does not include a liftable axle or a self-steering axle and that has the same number of tires on each wheel;

"turn centre" means the geometric centre of the axle unit on a semi- trailer or of the rear axle unit on a tractor or a full trailer;

"wheelbase" means the longitudinal distance,

(a) from the centre of the kingpin to the turn centre in the case of a semi-trailer,

(b) from the centre of the front axle to the turn centre in the case of a tractor,

(c) from the centre of articulation of the turntable to the turn centre in the case of a full trailer.

2. The rearmost trailer in a combination of vehicles described in this Regulation shall be equipped with a rear impact guard if the trailer is built after July 14, 1993 and,

(a) it has an axle unit that can slide or is fixed so that the rear of the rearmost tire is more than 0.3 metres in front of the rear of the trailer; and

(b) its rear structure is more than 0.56 metres above the ground when the trailer is unladen on a level surface.

3(1) A rear impact guard on a trailer, as shown in Figure 1, shall consist of a single horizontal beam that is rigidly attached to the trailer and that,

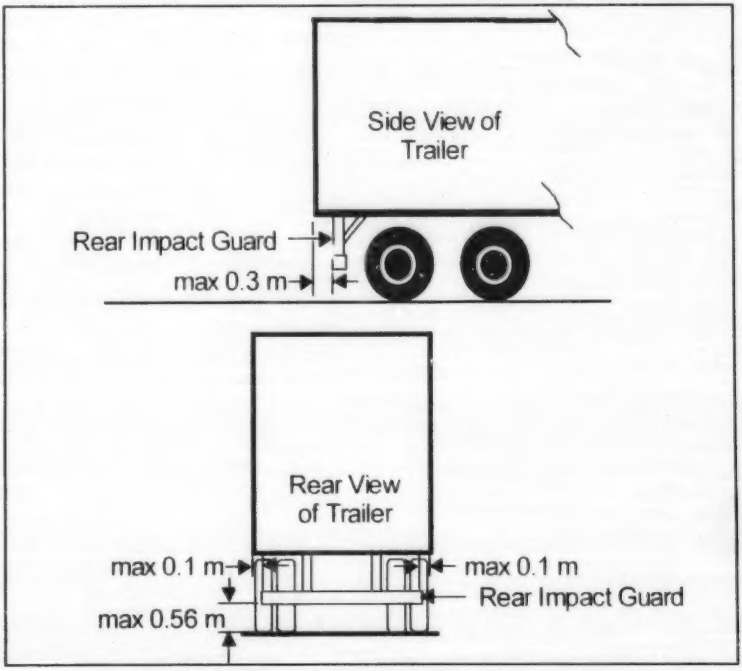
(a) extends within 0.1 metres of each side of the trailer;

(b) is not more than 0.3 metres in front of the rear of the trailer and is as close to its rear as practicable; and

(c) is not more than 0.56 metres above the ground when the trailer is unladen on a level surface.

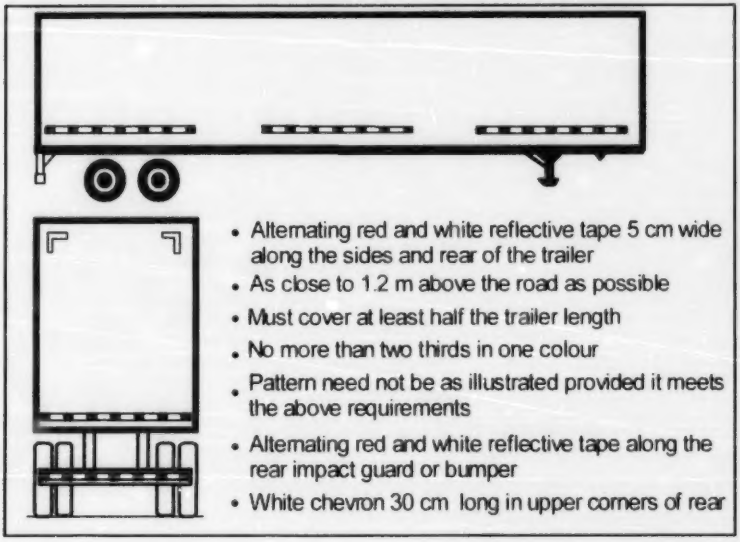
3(2) A rear impact guard on a trailer, as shown in Figure 1, that is manufactured after January 26, 1998 shall meet the standards for such a guard under United States Federal Motor Vehicle Safety Standard 224 that became effective on January 26, 1998, or a corresponding standard, if any, under the *Motor Vehicle Safety Act* (Canada).

Figure 1: Rear Impact Guard Requirements



4. Conspicuity markings, as shown in Figure 2, shall be in accordance with United States Federal Motor Vehicle Safety Standard 108 S5.7 that became effective on December 1, 1993, or with the conspicuity requirements of Canadian Motor Vehicle Safety Standard 108 that became effective on January 24, 1997.

Figure 2: Conspicuity Markings

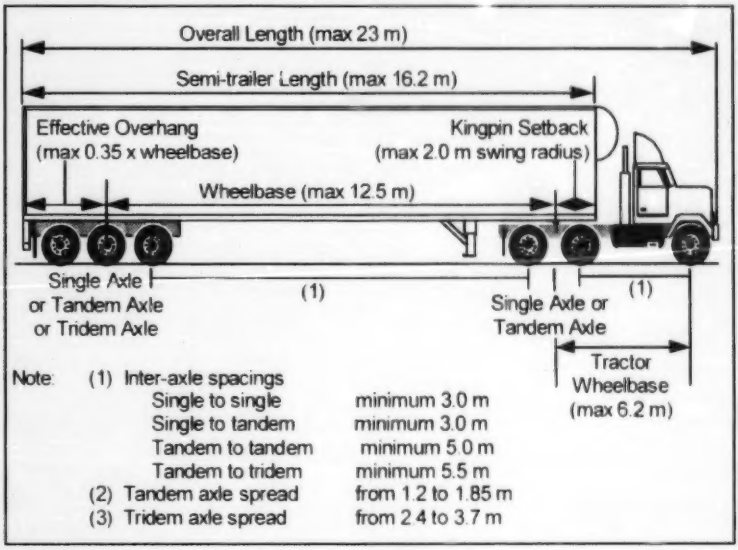

• Alternating red and white reflective tape 5 cm wide along the sides and rear of the trailer
• As close to 1.2 m above the road as possible
• Must cover at least half the trailer length
• No more than two thirds in one colour
• Pattern need not be as illustrated provided it meets the above requirements
• Alternating red and white reflective tape along the rear impact guard or bumper
• White chevron 30 cm long in upper corners of rear

5. All wheels on all vehicles and trailer converter dollies described in this Regulation and manufactured after October 19, 1994 shall be fitted with a system of automatic brake adjustment and brake adjustment indicators in accordance with United States Federal Motor Vehicle Safety Standard 121 S5.1.8 or S5.2.2, or with the corresponding requirements in Canadian Motor Vehicle Safety Standard 121 that became effective on May 31, 1996.

6. Tractor and Semi-Trailer

6. A combination of vehicles composed of a tractor and a semi-trailer, as shown in Figure 3, may be operated on a highway if the requirements of Sections 7, 8 and 9 are met.

Figure 3: Tractor-Semi-trailer



7(1) The tractor shall have as its front axle one axle equipped with single tires and as its drive axle one axle or a tandem axle that has an axle spread of 1.2 to 1.85 metres.

7(2) The tractor's inter-axle spacing from its front axle shall not be less than three metres and its wheelbase shall not be greater than 6.2 metres.

7(3) The tractor shall not be equipped with a liftable axle or a self-steering axle, whether raised, lowered or rendered inoperative.

8(1) The semi-trailer shall have one axle, a tandem axle that has an axle spread of 1.2 to 1.85 metres or a tridem axle that has an axle spread of 2.4 to 3.7 metres and, if the semi-trailer's width exceeds 2.5 metres, all of its axles shall have a track width of at least 2.5 metres.

8(2) The swing radius of the semi-trailer shall not be greater than two metres, its wheelbase not greater than 12.5 metres and its effective overhang, including load, not greater than 35 per cent of its wheelbase.

8(3) The semi-trailer shall not be equipped with a liftable axle or a self-steering axle, whether raised, lowered or rendered inoperative.

8(4) A semi-trailer built after July 14, 1993 shall have the conspicuity markings indicated in Section 4 [Page 194].

9. The combination of vehicles, including load, shall not exceed twenty-three metres in length and the weight on any tire in the combination shall not exceed 3,000 kilograms.

10. A-Train Double

10(1) An A-train double, as shown in Figure 4, shall be composed of a tractor, a semi-trailer and,

(a) a trailer converter dolly that is towed from a single hitch on the centre line of the semi-trailer and another semi-trailer; or

(b) a full trailer attached to the semi-trailer as if a trailer converter dolly were used and towed from a single hitch on the centre line of the semi-trailer.

10(2) An A-train double may be operated on a highway if the requirements of Sections 11 to 14 are met.

11. The tractor of an A-train double shall meet the requirements set out in Section 7 [Page 195].

12(1) The foremost semi-trailer shall have one axle or a tandem axle that has an axle spread of 1.2 to 1.85 metres and, if the semi-trailer's width exceeds 2.5 metres, all of its axles shall have a track width of at least 2.5 metres.

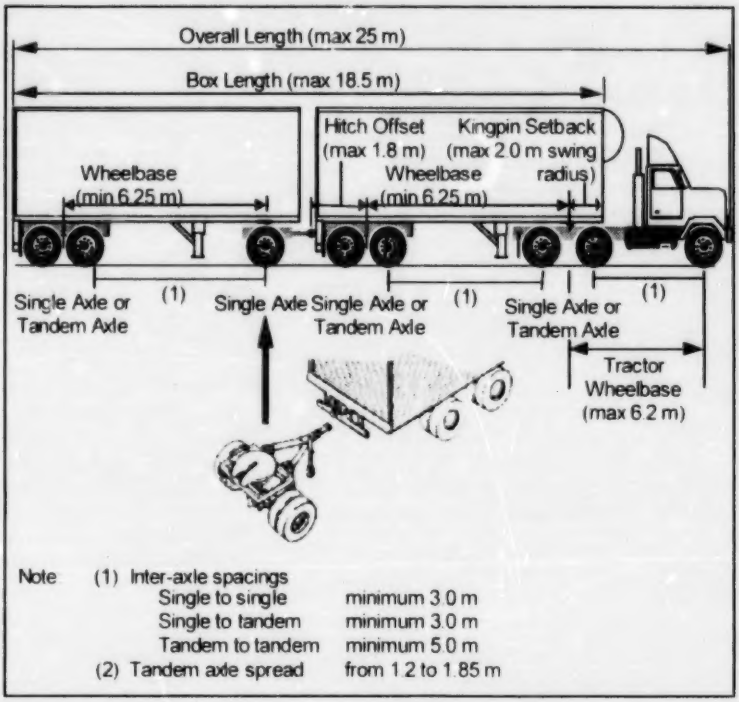
12(2) The inter-axle spacing from the tractor drive axle unit shall be at least,

(a) three metres, if one of the axle units has only one axle;

(b) five metres, if both axle units are tandem axles.

12(3) The swing radius of the foremost semi-trailer shall not be greater than two metres, its wheelbase shall not be less than 6.25 metres and its hitch offset shall not be greater than 1.8 metres.

Figure 4: A-train Double


Overall Length (max 25 m)
Box Length (max 18.5 m)
Hitch Offset (max 1.8 m)
Kingpin Setback (max 2.0 m swing radius)
Wheelbase (min 6.25 m)
Wheelbase (min 6.25 m)
Single Axle or Tandem Axle
(1)
Single Axle
Single Axle or Tandem Axle
(1)
Single Axle or Tandem Axle
(1)
Tractor Wheelbase (max 6.2 m)
Note (1) Inter-axle spacings
Single to single minimum 3.0 m
Single to tandem minimum 3.0 m
Tandem to tandem minimum 5.0 m
(2) Tandem axle spread from 1.2 to 1.85 m

12(4) The foremost semi-trailer shall not be equipped with a liftable axle or a self-steering axle, whether raised, lowered or rendered inoperative.

12(5) In this section,

"hitch offset" means the longitudinal distance from the turn centre of the foremost semi-trailer to the articulation point of the hitch used to tow the rearmost trailer.

13(1) The rearmost trailer shall have one axle at the front and one axle or a tandem axle that has an axle spread of 1.2 to 1.85 metres at the rear and, if the trailer's width exceeds 2.5 metres, all of its axles shall have a track width of at least 2.5 metres.

13(2) The wheelbase of the rearmost trailer shall not be less than 6.25 metres and the inter-axle spacing from its foremost axle unit shall not be less than three metres.

13(3) The rearmost trailer shall not be equipped with a liftable axle or a self-steering axle, whether raised, lowered or rendered inoperative.

13(4) The gross vehicle weight of the rearmost trailer shall not exceed the combined weight of the tractor drive axle unit and the foremost semi-trailer axle unit.

14(1) The box length of an A-train double shall not exceed 18.5 metres and the weight on any of its tires shall not exceed 3,000 kilograms.

14(2) A trailer built after July 14, 1993 that forms part of an A-train double shall have the conspicuity markings indicated in section 4 [Page 194].

14(3) The gross vehicle weight of an A-train double shall be calculated as set out in the Act, except that, for the purposes of that calculation, the front axle load is the lesser of the actual front axle load and 5,499 kilograms and the gross vehicle weight shall not exceed,

(a) 41,900 kilograms, if there are five axles;

(b) 49,800 kilograms, if there are six axles;

(c) 53,500 kilograms, if there are seven or eight fixed axles.

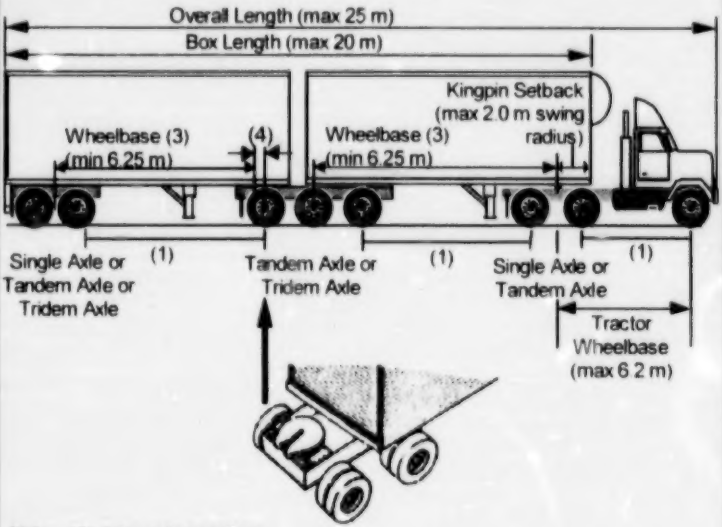
15. B-Train Double

15(1) A B-train double, as shown in Figure 5, shall be composed of a tractor and two semi-trailers, the rearmost of which is attached by a fifth wheel assembly whose lower half is mounted on the rear of the foremost semi-trailer.

15(2) A B-train double may be operated on a highway if the requirements of sections 16 to 19 are met.

16. The tractor shall meet the requirements set out in section 7 [Page 195].

Figure 5: B-train Double


Overall Length (max 25 m)
Box Length (max 20 m)
Kingpin Setback (max 2.0 m swing radius)
Wheelbase (3) (min 6.25 m)
(4)
Wheelbase (3) (min 6.25 m)
Single Axle or Tandem Axle or Tridem Axle
(1)
Tandem Axle or Tridem Axle
(1)
Single Axle or Tandem Axle
(1)
Tractor Wheelbase (max 6.2 m)

Note (1) Inter-axle spacings

Single to single	minimum 3.0 m
Single to tandem	minimum 3.0 m
Single to tridem	minimum 3.0 m
Tandem to tandem	minimum 5.0 m
Tandem to tridem	minimum 5.5 m
Tridem to tridem	minimum 6.0 m

(2) Tandem axle spread from 1.2 to 1.85 m
Tridem axle spread from 2.4 to 3.1 m

(3) Sum of semi-trailer wheelbases limited to a maximum of 17.0 m

(4) Kingpin not more than 0.3m behind centre of last axle

17(1) The foremost semi-trailer shall have a tandem axle that has an axle spread of 1.2 to 1.85 metres or a tridem axle that has an axle spread of 2.4 to 3.1 metres and all of its axles shall have a track width of at least 2.5 metres.

17(2) The swing radius of the foremost semi-trailer shall not be greater than two metres and its wheelbase shall not be less than 6.25 metres.

17(3) The inter-axle spacing from the tractor drive axle unit shall be at least,

(a) three metres, if one of the axle units has only one axle;

(b) five metres, if both axle units are tandem axles;

(c) 5.5 metres, if the axle units are a tandem axle and a tridem axle.

17(4) The foremost semi-trailer shall not be equipped with a liftable axle or a self-steering axle, whether raised, lowered or rendered inoperative.

17(5) The fifth wheel shall be mounted so that the kingpin of the rearmost trailer, when attached, is no more than 0.3 metres behind the centre of the rearmost axle of the foremost semi-trailer.

18(1) The rearmost semi-trailer shall have,

(a) one axle;

(b) a tandem axle that has an axle spread of 1.2 to 1.85 metres; or

(c) a tridem axle that has an axle spread of 2.4 to 3.1 metres, if there are no more than nine fixed axles in the combination of vehicles.

18(1.1) Every axle of the rearmost semi-trailer shall have a track width of at least 2.5 metres.

18(2) The rearmost semi-trailer shall have a wheelbase that is not less than 6.25 metres.

18(3) The inter-axle spacing from the foremost semi-trailer axle unit shall be at least,

(a) three metres, if one of the axle units has only one axle;

(b) five metres, if both axle units are tandem axles;

(c) 5.5 metres, if the axle units are a tandem axle and a tridem axle;

(d) six metres, if both axle units are tridem axles.

18(4) The rearmost semi-trailer shall not be equipped with a liftable axle or a self-steering axle, whether raised, lowered or rendered inoperative.

19(1) The box length of a B-train double shall not exceed twenty metres and the weight on any of its tires shall not exceed 3,000 kilograms.

19(2) The sum of the wheelbases of a B-train double's semi-trailers shall not exceed seventeen metres.

19(3) Any trailer built after July 14, 1993 that forms part of a B-train double shall have the conspicuity markings indicated in section 4 [Page 194].

19(4) The gross vehicle weight of a B-train double shall be calculated as set out in the Act, except that, for the purposes of the calculation, Table A shall be used instead of Gross Weight Table 22 of Regulation 597 of the Revised Regulations of Ontario, 1990 if there are seven axles and Table B shall be used instead of Gross Weight Table 29 of that Regulation if there are eight or nine fixed axles.

Table A
Allowable Gross Weight on a B-train with 7 Axles

	Front Axle Weight (kilograms)	
Base Length (metres)	**5,000 or less**	**5,001 to and including 6,000**
Less than 17.00	55,900	56,500
17.00 to less than 17.25	56,300	56,600
17.25 to less than 17.50	56,700	57,000
17.50 to less than 17.75	57,100	57,400
17.75 to less than 18.00	57,500	57,800
18.00 to less than 18.25	57,900	58,200
18.25 to less than 18.50	58,400	58,600
18.50 to less than 18.75	58,800	59,000
18.75 to less than 19.00	59,300	59,500
19.00 to less than 19.25	59,700	59,900
19.25 and over	60,100	60,300

Table B
Allowable Gross Weight on a B-train with 8 or 9 Fixed Axles

Base Length (metres)	Front Axle Weight (kilograms)	
	5,000 or less	5,001 to and including 6,000
Less than 19.00	60,600	61,000
19.00 to less than 19.25	61,100	61,400
19.25 to less than 19.40	61,500	61,800
19.40 to less than 19.75	61,700	62,500
19.75 to less than 20.00	62,100	62,900
20.00 to less than 20.25	62,300	63,100
20.25 to less than 20.50	62,600	63,300
20.50 to less than 20.75	62,900	63,500
20.75 to less than 21.00	63,100	63,500
21.00 to less than 21.25	63,300	63,500
21.25 and over	63,500	63,500

20. C-Train Double

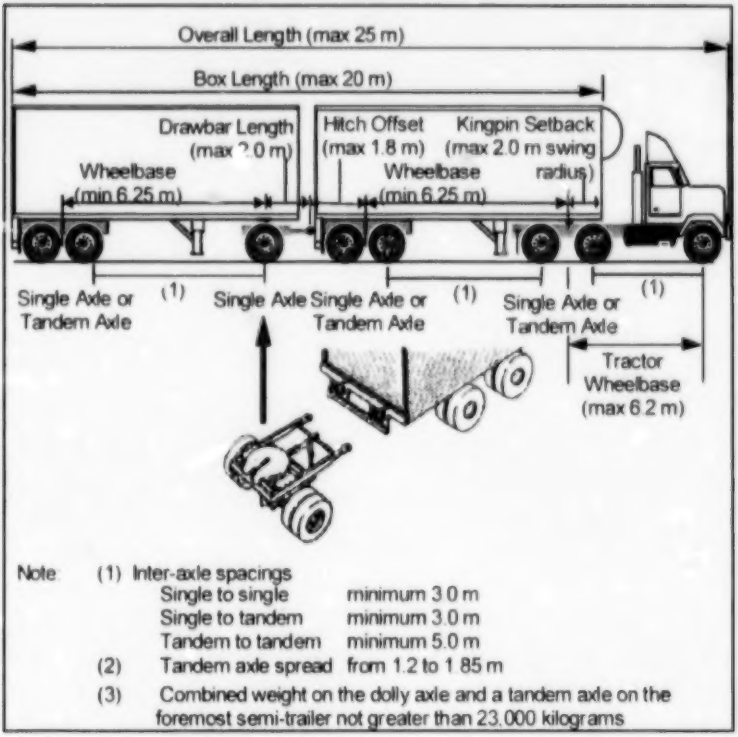
20(1) A C-train double, as shown in Figure 6, shall be composed of a tractor and two semi-trailers the second of which is attached to the first by a trailer converter dolly with a frame rigid in the horizontal plane that is towed from two hitches located in a horizontal transverse line on the foremost semi-trailer that preclude any rotation in the horizontal plane about the hitch points.

20(2) A C-train double may be operated on a highway if the requirements of Sections 21 to 25 are met.

21. The tractor of a C-train double shall meet the requirements set out in Section 7 [Page 195].

22. The foremost semi-trailer shall meet the requirements set out in subsections 12 (1), (2), (3) and (4) [Page 196] and, in addition, it shall have a hitch that meets the requirements of Section 904 of the *Motor Vehicle Safety Act* (Canada).

Figure 6: C-train Double


Overall Length (max 25 m)
Box Length (max 20 m)
Drawbar Length (max 2.0 m)
Wheelbase (min 6.25 m)
Hitch Offset (max 1.8 m)
Kingpin Setback (max 2.0 m swing radius)
Wheelbase (min 6.25 m)
Single Axle or Tandem Axle
(1)
Single Axle
Single Axle or Tandem Axle
(1)
Single Axle or Tandem Axle
(1)
Tractor Wheelbase (max 6.2 m)

Note (1) Inter-axle spacings

Single to single	minimum 3.0 m
Single to tandem	minimum 3.0 m
Tandem to tandem	minimum 5.0 m

(2) Tandem axle spread from 1.2 to 1.85 m

(3) Combined weight on the dolly axle and a tandem axle on the foremost semi-trailer not greater than 23,000 kilograms

23(1) The trailer converter dolly referred to in subsection 20 (1) shall be equipped with a drawbar that does not exceed two metres in length and the trailer converter dolly shall meet the requirements of Section 903 of the *Motor Vehicle Safety Act* (Canada).**23(2)** The track width of the trailer converter dolly shall be at least 2.5 metres if the width of the rearmost semi-trailer exceeds 2.5 metres.

23(3) In this section,

"drawbar" means a towing structure that is connected to the chassis frame of the trailer converter dolly that includes an eye or equivalent device for coupling to a trailer hitch.

24(1) The rearmost semi-trailer shall have one axle or a tandem axle that has an axle spread of 1.2 to 1.85 metres

and, if the width of the semi-trailer exceeds 2.5 metres, all of its axles shall have a track width of at least 2.5 metres.

24(2) The rearmost semi-trailer shall have a wheelbase of at least 6.25 metres.

24(3) The combined weight of the trailer converter dolly axle and the rearmost semi-trailer axle unit shall not exceed the combined weight of the tractor drive axle unit and the foremost semi-trailer axle unit.

24(4) The rearmost semi-trailer shall not be equipped with a liftable axle or a self-steering axle, whether raised, lowered or rendered inoperative.

25(1) The box length of a C-train double shall not exceed twenty metres.

25(2) The weight on any tire of a C-train double shall not exceed 3,000 kilograms and the combined weight on a tandem axle on the foremost semi-trailer and on the trailer converter dolly axle shall not exceed 23,000 kilograms.

25(3) Any semi-trailer built after July 14, 1993 that forms part of a C-train double shall have the conspicuity markings indicated in Section 4 [Page 194].

25(4) The gross vehicle weight of a C-train double shall be calculated as set out in the Act, except that, for the purposes of that calculation, the front axle load is the lesser of the actual front axle load and 5,499 kilograms and the gross vehicle weight shall not exceed,

(a) 41,900 kilograms, if there are five axles;

(b) 49,800 kilograms, if there are six axles;

(c) 54,600 kilograms, if there are seven axles;

(d) 58,500 kilograms, if there are eight fixed axles.

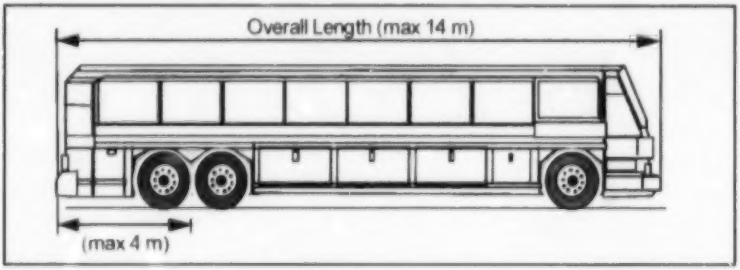
26. Buses

26(1) A bus, as shown in Figure 7, commonly known as an intercity motor coach, may be operated on a highway if it meets the requirements of this section.

26(2) The bus shall be equipped with motive power mounted to the rear of the front axle, air-ride or torsion-bar suspension, reclining seats and a baggage area that is separated from the passenger cabin.

26(3) The total length of the bus, including bumpers, shall not exceed fourteen metres.

Figure 7: Intercity Motor Coach



26(4) The bus shall have three axles and any tandem axle or two axle group shall have an axle spread of 1.2 to 1.85 metres.

26(5) The longitudinal distance between the geometric centre of a dual axle or a two axle group and the rear of the bus, including bumpers, shall not exceed four metres.

26(6) Any two axle group shall distribute the load it carries between the axles in a ratio corresponding to the number of tires on each axle.

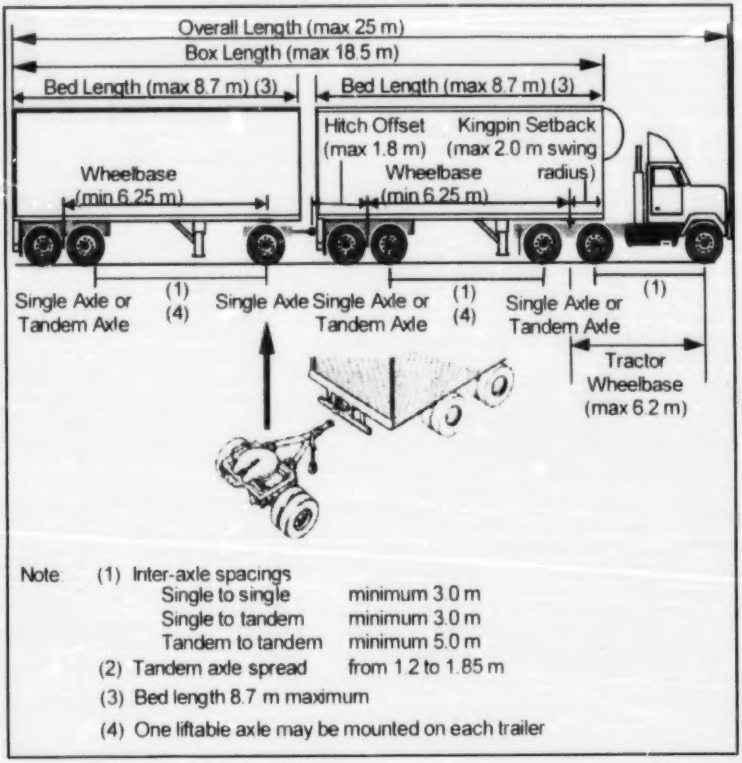
27. Liftable Axles on a Double Trailer Combination

27(1) Despite subsections 12(4), 13(3), 17(4) and 20(4), section 22 and subsection 24(4), both of the trailers on an A-train double, as shown in Figure 8, both of the trailers on a B-train double, as shown in Figure 9, and both of the trailers on a C-train double, as shown in Figure 10, may be equipped with one liftable axle if,

(a) the bed length of any trailer does not exceed 8.7 metres;
(b) the box length does not exceed 18.5 metres;
(c) the A-train double or C-train double has eight fixed axles, not including the liftable axles;
(d) the B-train double has eight or nine fixed axles, not including the liftable axles;
(e) the liftable axles are in front of the rearmost fixed axle unit on the trailer when the vehicle is being operated;
(f) the liftable axles are raised when the vehicle is operated on a highway;
(g) no trailer is equipped with a self-steering axle, unless the self-steering axle is also a liftable axle; and
(h) every vehicle included in the A-train double, B-train double or C-train double, including a trailer converter dolly, meets all other requirements in the Act or this Regulation which would otherwise be applicable if the trailer did not have liftable axles.

27(2) The liftable axles shall be excluded from the calculation of allowable gross weight as set out in the Act and any regulations.

Figure 8: A-Train Double


Overall Length (max 25 m)
Box Length (max 18.5 m)
Bed Length (max 8.7 m) (3)
Bed Length (max 8.7 m) (3)
Hitch Offset (max 1.8 m)
Kingpin Setback (max 2.0 m swing radius)
Wheelbase (min 6.25 m)
Wheelbase (min 6.25 m)
Single Axle or Tandem Axle
(1) (4)
Single Axle
Single Axle or Tandem Axle
(1) (4)
Single Axle or Tandem Axle
(1)
Tractor Wheelbase (max 6.2 m)

Note (1) Inter-axle spacings

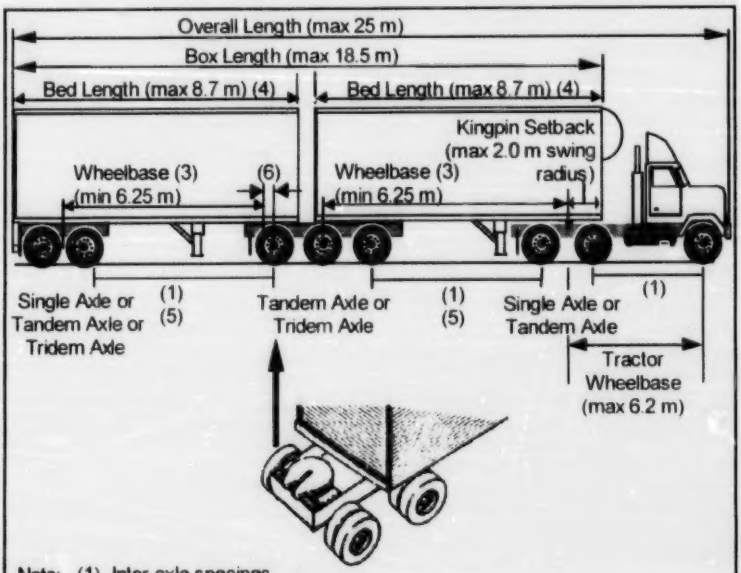
Single to single	minimum 3.0 m
Single to tandem	minimum 3.0 m
Tandem to tandem	minimum 5.0 m

(2) Tandem axle spread from 1.2 to 1.85 m

(3) Bed length 8.7 m maximum

(4) One liftable axle may be mounted on each trailer

Figure 9: B-Train Double


Overall Length (max 25 m)
Box Length (max 18.5 m)
Bed Length (max 8.7 m) (4)
Bed Length (max 8.7 m) (4)
Kingpin Setback (max 2.0 m swing radius)
Wheelbase (3) (min 6.25 m)
(6)
Wheelbase (3) (min 6.25 m)
Single Axle or Tandem Axle or Tridem Axle
(1) (5)
Tandem Axle or Tridem Axle
(1) (5)
Single Axle or Tandem Axle
(1)
Tractor Wheelbase (max 6.2 m)

Note: (1) Inter-axle spacings

Single to single	minimum 3.0 m
Single to tandem	minimum 3.0 m
Single to tridem	minimum 3.0 m
Tandem to tandem	minimum 5.0 m
Tandem to tridem	minimum 5.5 m
Tridem to tridem	minimum 6.0 m

(2) Tandem axle spread from 1.2 to 1.85 m
Tridem axle spread from 2.4 to 3.1 m

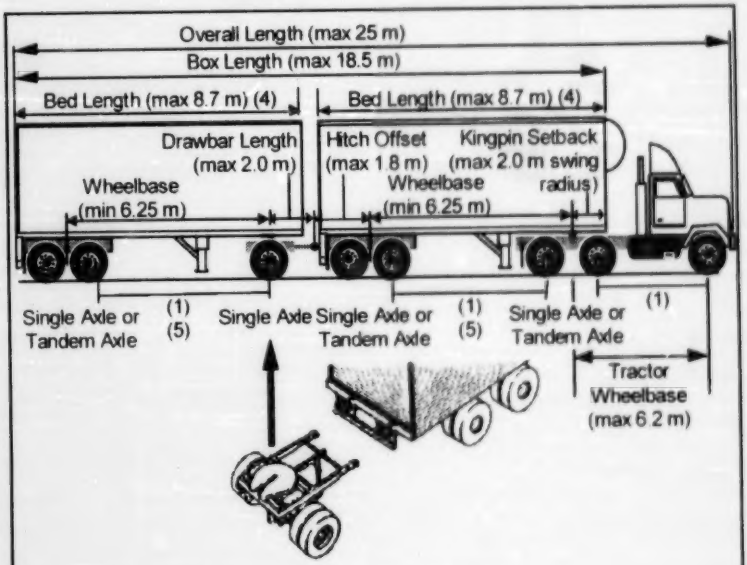
(3) Sum of semi-trailer wheelbases limited to a maximum of 17.0 m

(4) Bed length 8.7 metres maximum

(5) One liftable axle may be mounted on each trailer

(6) Kingpin not more than 0.3m behind centre of last axle

Figure 10: C-Train Double


Overall Length (max 25 m)
Box Length (max 18.5 m)
Bed Length (max 8.7 m) (4)
Bed Length (max 8.7 m) (4)
Drawbar Length (max 2.0 m)
Wheelbase (min 6.25 m)
Hitch Offset (max 1.8 m)
Kingpin Setback (max 2.0 m swing radius)
Wheelbase (min 6.25 m)
Single Axle or Tandem Axle
(1) (5)
Single Axle
Single Axle or Tandem Axle
(1) (5)
Single Axle or Tandem Axle
(1)
Tractor Wheelbase (max 6.2 m)

Note: (1) Inter-axle spacings

Single to single	minimum 3.0 m
Single to tandem	minimum 3.0 m
Tandem to tandem	minimum 5.0 m

(2) Tandem axle spread from 1.2 to 1.85 m

(3) Combined weight on the dolly axle and a tandem axle on the foremost semi-trailer not greater than 23,000 kilograms

(4) Bed length 8.7 m maximum

(5) One liftable axle may be mounted on each trailer

13. PENALTIES

This Chapter summarizes the penalties that Parts VII and VIII of the Highway Traffic Act provide on conviction for an offence when a vehicle, load, permit or weight is found not in compliance with the provisions of the HTA or regulations.

AUTHORITIES

A police or Ministry officer is authorized to weigh a vehicle, to measure it to determine its allowable gross weight, and may require it to be driven to a scale for the purpose of weighing, HTA s124 [Page 161]. The officer may detain the vehicle and require the driver to remove or re-distribute load in the event that an axle unit or axle group exceeds its allowable weight, or to remove load if the vehicle exceeds its allowable gross weight, HTA s124 [Page 161].

PENALTIES FOR REFUSAL

A driver who refuses to proceed to a scale is liable to a fine from $200 to $1,000 (or $200 to $20,000 for a commercial motor vehicle), and suspension of their driver's licence for up to 30 days, HTA s124 [Page 161]. The same fine applies if the driver refuses to re-distribute load, or obstructs the process of measuring and weighing.

PENALTIES FOR WEIGHT OFFENCES

Any person who contravenes the weight limit for a tire, axle unit, axle group or the gross weight, under the HTA or a regulation, is liable to a fine according to the amount of overweight, HTA s125 [Page 164]. The schedule of maximum fines is given in Figure 22 below. The fine is based on the actual overweight, rounded up to the nearest 100 kg. The same schedule of fines applies to a consignor of goods if a vehicle is improperly loaded, HTA s126 [Page 166].

Figure 22: Overweight Fine Schedule

Overweight	Fine is
Up to 2,500 kg	$5 per 100 kg, but not less than $100
2,500 – 4,999 kg	$10 per 100 kg
5,000 – 7,499 kg	$12 per 100 kg
7,500 – 9,999 kg	$15 per 100 kg
10,000 – 14,999 kg	$20 per 100 kg
15,000 kg or more	$25 per 100 kg

PENALTY FOR MISUSE OF A LIFTABLE AXLE

Any fine for an overweight offence is increased by an amount from $200 to $1,000 if a liftable axle was raised (other than in certain specified conditions), or if the axle was deployed and contributed to the overweight, HTA s125(2), 125(3) and 125(4) [Page 165].

PENALTIES FOR DIMENSION OFFENCES

Any person who contravenes the vehicle or load dimensional limits is liable to a fine from $200 to $1,000 (or $200 to $20,000 for a commercial motor vehicle), and suspension of the vehicle's licence for up to 6 months, HTA s109(15) [Page 136].

VICTIM FINE SURCHARGE RATES

The fine for conviction of a weight or dimension offence under the Highway Traffic Act is levied under the Provincial Offences Act. This Act puts a surcharge on all fines for provincial offences, except parking, which is added to the set fine for the offence, and goes to the fund for the victims of crime. The surcharge schedule is given in Figure 23 below, from Regulation 785/95 made under the Provincial Offences Act.

Figure 23: Victim Fine Surcharge

For Set Fines of	Surcharge is
$0 - $50	$10
$51 - $75	$15
$76 - $100	$20
$101 - $150	$25
$151 - $200	$35
$201 - $250	$50
$251 - $300	$60
$301 - $350	$75
$351 - $400	$85
$401 - $450	$95
$451 - $500	$110
$501 - $1000	$125
Over $1000	25% of fine